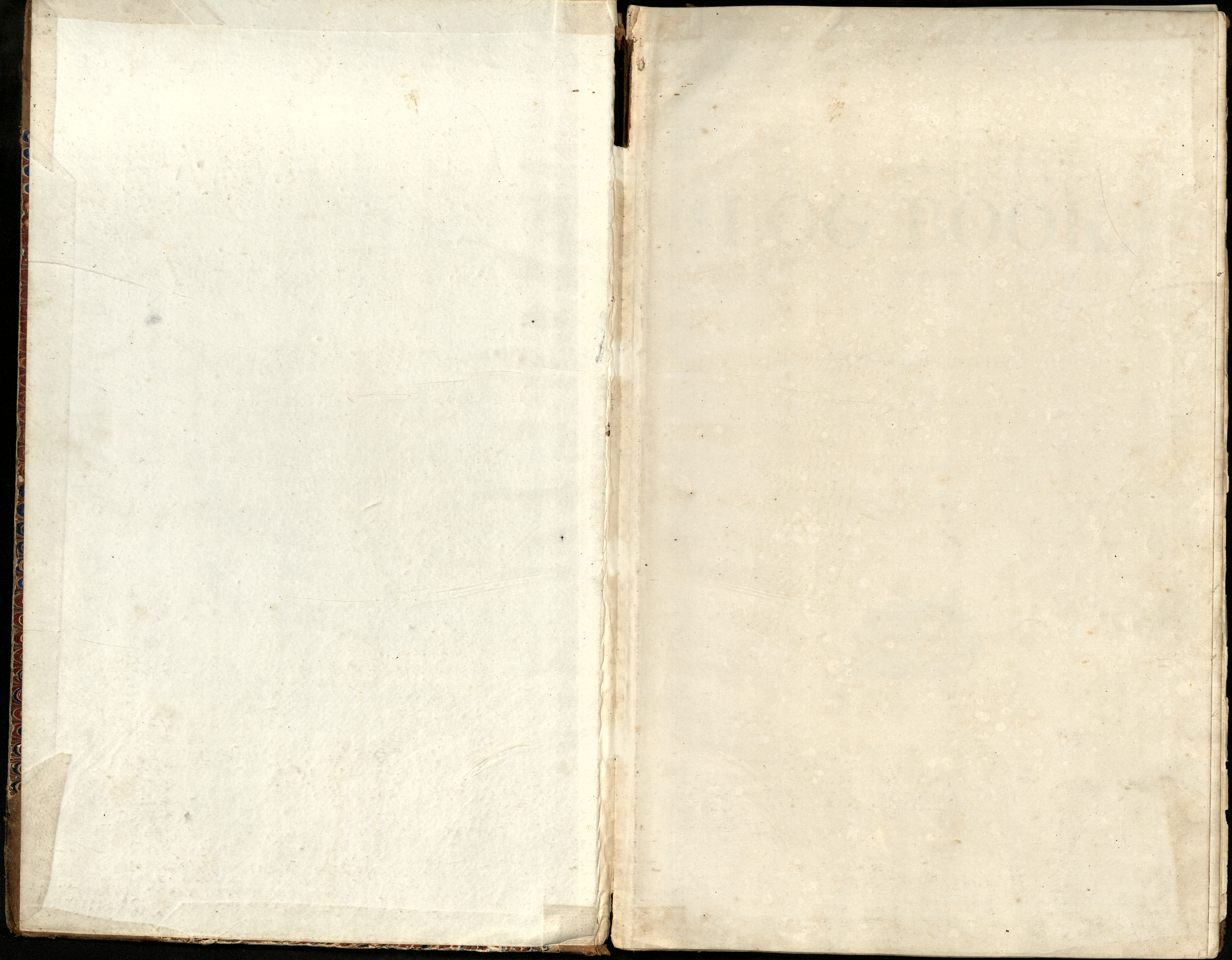


LOG BOOK

OF

Ship A. J. S. S. S.

Capt. by C. C. French.



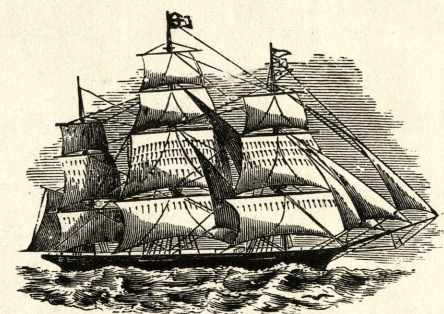
LOG BOOK.

VOYAGES OF THE

Alfred. J. Smith.

COMMANDED BY

Capt. W. J. Willing.



G. M. JOSSELYN & CO.,
SHIP CHANDLERS,
NOS. 38 & 40 MARKET STREET,
SAN FRANCISCO, CALIFORNIA.

Journal from San Francisco Cal towards Liverpool Eng 1

K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	1888
			Direction.	Force.		Air.	Water.			
8		NE 1/2 W	NSW					29.50		
8		"	"					"		
8		"	"					"	This day comes in with clear weather and moderate gales	
8		"	"					"	from the NSW	
8		"	SW by S					"	All sail set	
8		"	"					"	6 PM the wind being light hoisted down all fore and aft sail	
8		"	"					"		
7		"	"					"		
7		"	NW					"	Middle part partly clear with the wind holding to the NW	
7		"	"					"	Sail set	
7		"	"					"		
7		"	"					"		
7		"	"					"	The day ends with clear weather and moderate gales	
7		"	"					"		
8		NE	NW					29.55	men employed as usual	
8		"	"					"		
8		"	"					"	Pumps carefully attended to	
8		"	"					"		
8		"	"					"	Carpenter still sick and off duty	
8		"	"					"		
8		"	"					"	63 days out	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NE 1/2 E	180	101	149	54-24S	54-23S	16 deg E	255	53-38 W	53-11 W

K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	1888
			Direction.	Force.		Air.	Water.			
7		NE 1/2 E	NW					29.50		
7		"	"					"		
7		"	"					"	This day comes in with clear weather and moderate gales	
7		"	"					"	All sail set	
8		NE 1/2 E	NW					"		
8		"	"					"	6 PM fired light sails	
7		"	"					"		
7		"	"					"	11 AM fired fore Reel main Reel	
7		"	"					"	hollandt Stacks and fore Reel	
7		"	"					29.50	clear with the wind increasing gradually	
7		"	"					"		
7		"	"					"		
7		"	"					"	The day ends with clear misty weather and fresh gales	
7		"	"					"		
7		"	"					"	11 1/2 AM fired main Reel	
7		"	"					"	Pumps carefully attended to	
6		"	"					"		
6		"	"					"		
7		"	"					"	64 days out	
7		"	"					"		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NE	168	58	149	53-26	none	16 deg E	248	51-23 W	

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		ve	nn					29-43	Set 11 day of Nov
2	8		"	"					"	
3	8		"	"					"	
4	8		"	"					"	This day comes in with foggy weather and fresh gales
5	7		"	"					"	
6	7		"	"					"	
7	7		ve	nn					"	At 3 PM fired fore and mizzen top gallant sails
8	5		"	"					"	7 PM had a heavy squall from the NW fired main top gallant sail and reefed top sails
9	6		ve	nn					"	
10	6		"	"					"	
11	6		"	"					"	
12	6		"	"					29-33	
1	7		ve	nn					"	Middle part cloudy with fresh gales and a heavy sea
2	7		"	"					"	
3	7		"	"					"	
4	7		"	nn					"	8 AM set every thing but the light sails more moderate and the wind falling to the westward
5	7		"	"					29-40	
6	7		"	"					"	
7	7		"	"					"	
8	7		"	"					"	The day ends with partly clear weather and fresh gales and a heavy sea running from the NW pumps attended to
9	6		"	nn					"	
10	6		"	"					"	
11	6		"	"					"	
12	6		"	"					29-38	65 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
ve	158	85	131	52-08	52-108	13-20g E	814	47-48	47-33

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		ve	nn					29-58	Sunday 18 day of Nov
2	5		"	"					"	
3	5		"	"					"	
4	4		"	"					"	This day comes in with partly clear weather and moderate gales all sail set
5	4		"	"					"	
6	4		"	"					"	
7	3		"	"					"	
8	3		nn	ve					"	At 8 PM we were ship to the NW the wind falling to the eastward
9	1		"	"					"	
10	1		"	"					"	
11	3		"	"					29-40	11 PM Rain and moderate fresh light sails
12	3		"	"					"	
1	4		"	"					"	3 AM had a heavy squall from the south-east fired top gallant sails mizzen top sail and main sail and cross-jack
2	6		"	"					"	
3	9		ve	nn					29-30	Reefed fore and main top sails
4	10		"	"					"	8 AM more moderate set the mizzen top sail
5	10		"	se					"	
6	9		"	"					"	
7	9		"	"					29-37	The day ends with clear weather and fresh gales 11 AM out reef and set the main sail cross-jack and spanker
8	9		"	"					"	
9	9		"	"					"	
10	9		"	"					"	
11	9		"	"					"	
12	7		"	nn					29-60	Pumps attended to 66 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
ve	139	114	80	50-09	50-13	8-20g E	135	45-44	45-59

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	7		ve	nn					29-60	Mon 13 day of Nov
2	7		"	"					"	
3	7		"	"					"	
4	7		"	"					"	This day comes in with partly clear weather and fresh gales also a heavy sea running from the NW
5	7		"	"					"	
6	7		"	"					29-75	
7	8		"	"					"	12 M set fore and mizzen top gallant sails and at 1 PM we bent a new main top gallant sail
8	7		ve	nn					29-80	
9	7		"	"					"	
10	7		"	"					"	
11	7		"	"					"	
12	1		"	"					"	
1	1		"	"					"	7 PM set fore and main top gallant sails spoke the Bark Orient from San Francisco for Liverpool 78 days out
2	1		"	"					"	
3	2		"	"					"	
4	2		"	"					"	
5	2		ve	"					"	Middle part clear and very moderate all sail set
6	2		"	"					"	
7	2		"	"					"	The day ends with partly clear weather and fresh gales
8	3		"	"					"	light sails fired
9	3		"	"					"	Pumps attended to
10	6		"	"					"	
11	7		ve	"					"	
12	7		"	"					29-77	67 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
ve	106	100	56	48-21	none	6-20g E	851	42-19	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		North	East					29-79	Tuesday 24 day of Nov
2	3		"	"					"	
3	3		"	"					"	This day comes in Rainy with fresh gales and a heavy sea
4	3		"	"					"	
5	4		nn	ve					"	2 PM fired top gallant sails cross-jack and reefed main sail and mizzen top sail
6	4		"	"					"	
7	4		"	"					"	
8	3		ve	nn					"	4 PM a little more moderate
9	3		"	"					29-58	fired reef out of mizzen top sail and set the cross-jack and main top gallant sail
10	3		"	"					"	
11	3		"	"					"	
12	3		"	"					"	
1	3		"	"					"	8 PM were ship to the ve
2	2		"	"					"	11 PM fired main top gallant sail Rainy with heavy squalls
3	2		"	"					"	
4	2		"	"					"	
5	2		"	"					"	The day ends with clear weather and moderate gales all sail set
6	2		"	"					"	
7	2		"	"					"	
8	2		"	"					"	
9	3		"	"					29-73	Pumps attended to
10	3		"	"					"	
11	3		ve	nn					"	
12	3		"	"					"	68 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
ve	73	60	40	47-20	47-28	8-20g E	59	43-20	43-31

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	1887
				Direction.	Force.		Air.	Water.				
1	6		Neg E	Ny W					29-78		Wednesday	18
2	6		"	"					"	This day comes in with clear weather and moderate breeze		
3	6		"	"					"	all sail set		
4	6		"	"					"	At 7 PM we fired Sky Boat and upper Steeles		
5	7		"	"					"			
6	7		"	"					"			
7	7		"	"					"			
8	7		Neg v	Ny v					29-70			
9	7		"	"					"	The middle part was partly cloudy with moderate breeze still blowing		
10	7		"	"					"	6 AM fired Reils main top		
11	7		"	"					"	hollowed Steels and fir Pop. Boat		
12	7		"	"					"	9 AM fired Pop. hollowed Steels		
1	7		"	"					"	11 AM set main Pop. hollowed Boat		
2	6		"	"					"	again		
3	8		"	"					"	The day ends with partly cloudy weather and fresh breeze and a heavy sea running from the northward		
4	8		Nve	Nw					29-60	Pumps carefully attended A		
5	8		"	"					"			
6	7		"	"					"			
7	6		"	"					"			
8	6		Neg v	Ny v					"			
9	6		"	"					"			
10	6		"	"					"			
11	7		"	"					"			
12	7		Ny E	Ny W					"			

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 4 1/2 E	108	180	108	45-218	45-228	6 deg E	15-3	40-212 W	40-211 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	1888
				Direction.	Force.		Air.	Water.				
1	7		N 4 E	NW					29-60	Thursday 16		
2	7		"	"					"			
3	7		"	"					"	This day comes in clear with		
4	7		"	west					"	fresh Gale and a heavy sea		
5	5		"	"					"	2 PM the wind hollowed A		
6	5		"	"					"	The westward in a Squall		
7	7		"	"					"	set fire and trigger Pop.		
8	7		"	N 8 W					29-65	hollowed Sails		
9	6		"	"					"	4 PM set Reils main Pop. hollowed		
10	6		"	"					"	Steels and fir Pop. Sails		
11	6		"	"					"			
12	6		"	"					"	12 midnight clear with moderate		
1	5		"	"					29-68	Gale and a heavy cross sea		
2	5		"	"					"	all Sails set		
3	5		"	"					"			
4	5		"	"					"			
5	7		"	N 4 S					"	The day ends with partly cloudy		
6	7		"	"					"	weather and moderate Gale		
7	7		"	"					"	all Sails set		
8	7		"	"					"	Men employed in various duties		
9	7		"	west					"	Pumps carefully attended A		
10	7		"	"					"			
11	8		"	"					"			
12	8		"	N 8 W					"			
			"	"					"	10 days out		

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 4 1/2 E	108	147	97	42-54	42-58	8 deg E	50	39-32 W	39-31 W

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Neg v	159	147	97	42-55	42-59	8 deg E	50	39-32 W	39-31 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	1887
				Direction.	Force.		Air.	Water.				
1	8		Nve	Nw					29-65			
2	8		"	"					"			
3	8		"	"					"			
4	8		"	"					"	This day comes in with clear weather and fresh breeze from the NW		
5	8		"	Ny W					"	all sail set		
6	8		"	"					"			
7	7		"	"					"			
8	7		"	"					"			
9	7		"	SW					"			
10	7		"	"					"	Middle part clear and moderate wind blowing from the Southward		
11	7		"	"					"			
12	7		"	"					"			
1	7		"	"					"			
2	7		"	"					"			
3	7		"	"					"	The day ends with clear moderate weather all fire and aft		
4	7		"	"					29-60	Sails fired		
5	7		"	"					"	9 AM unbent new mizzen		
6	6		"	"					"	upper Pop. Boat Pop. hollowed Boat		
7	6		"	"					"	and Reil and bent the old ones		
8	6		"	SW					"	Men employed as usual		
9	6		"	"					"	Pumps attended A		
10	5		"	"					"			
11	5		"	"					29-55			
12	5		"	"					"	71 days out		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.			
Nve 1/2 E	165	148	70	40-25-8	40-25-8	8 deg E	99	38-35 W	38-31 W			
H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	1887
				Direction.	Force.		Air.	Water.				
1	5		Nve 1/2	Ny v					29-55		Sat	18
2	5		"	"					"			
3	5		"	"					"	This day comes in clear with		
4	5		"	"					"	moderate breeze blowing from		
5	6		"	"					"	the SSW and aft sails		
6	6		"	"					"	fired		
7	6		"	"					"			
8	6		"	NW					29-59			
9	4		"	"					"			
10	4		"	"					"	Middle part clear and moderate		
11	5		"	"					"			
12	5		"	NW					"	The day ends with partly clear		
1	5		"	"					"	weather and moderate breeze		
2	7		"	"					"			
3	5		"	"					"	All sail set		
4	5		"	"					"	Pumps carefully attended &		
5	6		"	NW					"	A Ship in sight on the Starboard		
6	7		"	"					"	Bar. burned with		
7	7		"	"					"			
8	7		"	"					30-10	72 days out.		
9	7		"	"					"			
10	7		"	"					"			
11	8		"	"					"			
12	8		"	"					"			
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.			
Nve 1/2	138	114	70	38-33	38-29	NW	99	38-35 W	38-48 W			

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Neg v	198	114	70	38-38	38-29	8 deg E	99	36-48 W	36-48 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		NE 1/2 N	WN					30-10	Sun 19 day of Nov 1887
2	8		"	"					"	
3	8		"	"					"	This day comes in clear with
4	8		"	"					"	moderate breeze blowing from
5	8		"	W by N					"	the NW
6	8		"	"					"	All sail set
7	8		"	"					"	4 PM Signalled Ship Phœnix
8	8		"	"					"	from Sydney for London
9	8		"	"					"	
10	8		"	W					"	
11	7		"	"					"	The middle part of the day
12	7		"	"					"	was clear and moderate
1	7		"	"					"	
2	7		"	"					"	
3	7		"	"					"	
4	7		"	"					"	The day ends as it began
5	7		"	"					"	clear and moderate
6	7		"	"					"	
7	7		"	"					"	Every thing quiet and orderly
8	7		"	"					"	
9	7		"	W by N					"	Pumps attended to
10	7		"	"					"	
11	7		"	"					"	73 days out
12	7		"	W by N					"	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NE 1/2 N	175	145	97	36-26 S	36-26 S	25° 00'	120	34-28	34-21 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		NE 1/2 N	W by N					30-10	Mon 20 day of Nov 1887
2	4		"	"					"	
3	4		"	"					"	This day comes in clear with
4	4		"	"					"	moderate breeze
5	4		"	"					"	All sail set
6	4		"	"					"	
7	4		"	"					"	
8	4		"	S by W					"	
9	4		"	"					"	
10	4		"	"					"	Mist to end last part the
11	3		"	"					"	same as the first
12	3		"	SW					30-14	All hands at work bending
1	4		"	"					"	old sails
2	4		"	"					"	
3	4		"	"					"	
4	4		"	"					"	
5	4		"	S by S					"	Pumps carefully attended to
6	3		"	"					"	4 pumps of vessels in sight
7	3		"	"					"	bound to the northward
8	3		"	"					"	
9	3		"	"					"	
10	3		"	"					"	
11	4		"	"					"	74 days out
12	4		"	"					30-09	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NE 1/2 N	88	68	50	34-58	34-58 S	0° 00'	61	33-57	34-04 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		NE 1/2 N	S by S					30-09	Tuesday 21 day of Nov 1887
2	8		"	"					"	
3	7		"	"					"	
4	1		"	"					"	This day comes in with clear
5	1		"	"					"	weather and light breeze from
6	1		"	"					"	the SW fore and aft sails
7	1		"	"					"	down
8	1		"	"					"	
9	1		"	SSE					"	
10	1		"	"					"	Mist to part clear and moderate
11	4		"	"					"	with light breeze from the
12	2		"	"					"	we will sail set
1	8		W	W					"	
2	8		"	"					"	4 AM Packes Ship at the
3	8		"	"					"	Coastward
4	3		East	"					30-00	
5	3		"	"					"	The day ends clear and
6	3		"	"					"	moderate
7	2		"	"					"	All hands at work on ship
8	2		"	"					"	
9	2		"	"					"	Pumps attended to
10	2		"	W by N					"	
11	2		"	"					"	75 days out
12	2		"	"					"	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NE	88	80	80	34-38	34-42 S	0° 00'	85	33-38	33-19

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		East	NNE					39-87	Wed 22 day of Nov 1887
2	5		"	"					"	
3	5		"	"					"	
4	5		"	"					"	This day comes in clear with
5	7		"	"					"	moderate breeze blowing from
6	7		"	"					"	the northward
7	7		"	"					"	All sail set
8	7		SE 1/2 S	W by N					"	
9	7		"	"					"	
10	7		"	"					"	
11	8		"	"					"	Mist to end last part partly
12	8		"	"					"	clear with fresh breeze most
1	6		"	"					"	of the time
2	6		"	"					"	
3	6		"	"					"	
4	6		"	"					"	All hands employed in packing
5	7		SE 1/2 S	"					39-74	down and painting gun work
6	7		"	"					"	
7	8		"	"					"	Pumps attended to
8	8		"	"					"	
9	7		"	"					"	
10	7		"	"					"	
11	4		East	W					"	76 days out
12	4		"	"					"	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/2 N	148	14	147	34-24	34-28 S	0° 00'	178	30-24 W	30-18

Journal from

towards

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	1		Ely	W					89-94	Phry 23 day of Nov
2	1		"	"					"	
3	3		"	"					"	
4	3		"	"					"	This day comes in with Rainy weather and light variable winds all sail set
5	2		"	"					"	All hands at work cleaning paint work
6	2		"	"					"	
7	5		East	W					"	
8	5		"	"					"	
9	5		"	"					"	
10	5		"	"					"	
11	5		Eve	North					"	The middle part cloudy with heavy Rain Squalls
12	7		"	"					"	11 PM fitted Sky Sail and main Reel Stool
1	7		"	"					"	3 AM fitted Migger Reel and 3d Pollent Stool
2	6		"	"					"	
3	6		"	"					"	
4	4		"	"					"	
5	4		"	"					"	
6	4		"	"					"	
7	4		"	"					"	The day ends with heavy Rain Squalls and fresh Gales
8	5		"	"					"	9 AM fitted fore and main Reel and main 3d Pollent Stool and 3d Reel
9	5		"	"					"	10 AM split Migger lower Reel
10	6		"	"					"	Sail and under it
11	6		Wye	W					"	77 days out
12	6		"	"					"	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Eve 1/4 e	111	35	104	39-29	None	8 W	186	38-28 W	None

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		Wye	W					89-94	Friday 24 day of Nov
2	5		"	"					"	
3	5		"	"					"	
4	5		"	"					"	This day comes in with Rainy weather and fresh Gales
5	5		"	"					"	
6	5		"	"					"	
7	5		"	"					"	4 PM set fore and main Reels 3d Reel and 3d Pollent Stool
8	5		"	"					"	
9	3		"	"					"	
10	3		"	"					"	
11	3		W	W					"	Middle part partly cloudy with moderate Gales
12	3		"	"					"	
1	3		"	"					"	
2	3		Wye	W					"	
3	3		"	"					"	
4	3		"	"					"	The day ends with heavy weather and light air from the SSE all sail set
5	3		"	"					"	
6	3		"	"					"	
7	3		"	"					"	
8	3		"	SSE					"	Men employed as usual
9	3		"	"					"	
10	3		"	"					"	Pumps attended to
11	3		"	"					"	
12	3		"	SE					"	78 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wye 1/4 e	88	27	32	32-28	32-44	9 W	80	32-38 W	None

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	1		Wye	SSE					30-00	Sat 25 day of Nov
2	1		"	"					"	
3	1		"	"					"	
4	1		"	Ely					"	This day comes in with Rainy weather and moderate Gales blowing from the SSE all sail set
5	2		"	"					"	
6	0		"	"					"	
7	0		"	"					"	
8	0		"	Caln					"	6 PM calm and continued so until 12 midnight when we got a light air from the North
9	0		"	"					"	
10	0		"	"					"	
11	0		"	"					"	
12	0		"	"					"	
1	1		Ely	W					"	
2	3		"	"					"	The day ends with partly cloudy weather and moderate Gales all sail set
3	3		"	"					"	
4	3		"	"					"	
5	3		"	"					"	
6	3		"	"					"	
7	3		"	"					"	
8	3		"	"					"	
9	3		"	"					"	
10	4		"	"					"	
11	4		"	"					"	
12	4		"	"					"	79 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Eve 1/4 e	48	16	45	32-16 S	32-14 S	9° W	54	32-24	26-13 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	1		Eve	North					30-00	Sun 26 day of Nov
2	3		"	"					"	
3	3		"	"					"	
4	3		"	"					"	This day comes in with moderate Gales and cloudy weather with occasional light Rain Squalls
5	7		"	"					"	All sail set
6	7		"	"					"	
7	3		"	"					"	
8	3		"	"					"	
9	4		Wye	W					"	Middle part partly cloudy and moderate
10	4		"	"					"	
11	5		"	"					"	
12	5		"	"					"	
1	4		W	W					"	
2	4		"	"					"	
3	4		"	"					"	The day ends with clear weather and moderate Gales every thing quiet and orderly
4	4		"	"					"	
5	4		Wye	W					"	
6	3		"	"					"	
7	3		"	"					"	Pumps attended to
8	1		"	"					"	
9	1		"	"					"	
10	3		"	"					"	
11	4		North	W					"	80 days out
12	4		"	"					"	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
North 1/4 e	77	68	35	31-08	31-08 S	11° W	41	31-03	31-08

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		ve	nn						This day comes in with moderate to holes and clear pleasant weather all sail set
2	8		"	"						
3	8		"	"						
4	8		"	"						
5	3		eve	nn						
6	3		"	"						
7	3		"	"						
8	4		"	"						
9	4		"	"						
10	5		"	"						
11	6		"	"						
12	5		ve	nn						
1	6		"	"						Middle and last part was the same as the first
2	6		"	"						
3	6		"	"						
4	5		"	"						
5	5		"	"						
6	5		"	"						
7	5		"	"						
8	5		"	"						
9	5		"	"						
10	5		"	"						
11	6		"	"						
12	6		"	"						

Middle and last part was the same as the first

Old hands at work cleaning ship

Pumps carefully attended to

81 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
ve	111	25	82	29-53 S	29-53	11° W	25	24-28	24-43

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		ve	nn					30-00	This day comes in with moderate to holes and clear weather all sail set
2	5		"	"					"	
3	5		"	"					"	
4	5		"	"					"	
5	5		"	"					"	
6	5		"	"					"	
7	3		eve	nn					"	
8	3		"	"					"	
9	3		"	"					"	
10	3		"	"					"	
11	4		"	"					"	
12	4		"	"					"	
1	5		"	"					"	Middle part clear and moderate
2	5		"	"					"	
3	5		"	"					"	
4	5		"	"					"	
5	5		"	"					"	
6	5		"	"					"	
7	5		"	"					"	
8	5		"	"					"	
9	6		"	"					"	
10	6		"	"					"	
11	6		"	"					"	
12	6		"	"					"	

7 AM packed ship to the W & N

The day ends with fresh holes and clear weather all sail set

Men employed as usual

Pumps attended to

82 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 41° E	22	52	49	28-58	28-52 S	11° W	32	23-32	23-28 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		ve	nn					29-20	This day comes in with fresh holes and clear weather
2	6		"	"					"	
3	6		"	"					"	
4	6		"	"					"	
5	6		"	"					"	
6	6		"	"					"	
7	6		"	"					"	
8	6		"	"					"	
9	6		"	"					"	
10	6		"	"					"	
11	6		"	"					"	
12	6		"	"					"	
1	5		"	"					"	Middle part clear passed a number of vessels bound north
2	5		"	"					"	
3	5		"	"					"	
4	5		"	"					"	
5	5		"	"					"	
6	5		"	"					"	
7	5		"	"					"	
8	5		"	"					"	
9	5		"	"					"	
10	5		"	"					"	
11	5		"	"					"	
12	5		"	"					"	

This day comes in with fresh holes and clear weather

4 PM fired Sky Sail main Rigs and Mizzen Top Gallant Stacks

5 PM packed ship to the W & N fired fore and Mizzen Rigs and fore Top Sail

Middle part clear passed a number of vessels bound north

8 AM bent new main Rigs the day ends with partly clear weather and moderate holes

9 AM sail set

Pumps attended to

83 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 41° E	105	92	50	27-22	27-28 S	14° W	57	22-32 W	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		ve	nn					29-28	This day comes in hazy with moderate holes blowing from the northward all sail set men employed in cleaning ship.
2	6		"	"					"	
3	6		"	"					"	
4	6		"	"					"	
5	5		"	"					"	
6	5		"	"					"	
7	5		"	"					"	
8	5		"	"					"	
9	5		"	"					"	
10	5		"	"					"	
11	5		"	"					"	
12	5		"	"					"	
1	4		"	"					"	The day ends clear and moderate pumps carefully attended to
2	4		"	"					"	
3	4		"	"					"	
4	4		"	"					"	
5	4		"	"					"	
6	4		"	"					"	
7	4		"	"					"	
8	4		"	"					"	
9	4		"	"					"	
10	4		"	"					"	
11	4		"	"					"	
12	4		"	"					"	

This day comes in hazy with moderate holes blowing from the northward

all sail set men employed in cleaning ship.

Middle part partly clear with occasional light Rain Squalls

The day ends clear and moderate

pumps carefully attended to

84 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 41° E	99	89	42	26-58 S	26-53 S	15° W	47	21-50 W	22-05 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	9		Ely r	W					30.05	Friday 1 day of Dec 1887
2	3		"	"					"	
3	3		Wly Wn	W					"	
4	3		"	"					"	
5	8		Wly Wn	W					"	This day comes in clear with light Air from the North
6	8		"	"					"	
7	0		"	"					"	
8	0		"	"					"	2 PM Packeet Ship to the Westward
9	8		"	"					"	7 PM Packeet again to the Eastward
10	1		"	"					"	
11	8		"	"					"	
12	8		"	"					"	The middle part of the day was clear and very moderate
1	8		Ely r	W					"	
2	8		"	"					"	
3	1		"	"					"	7 AM Packeet to the W
4	1		"	"					"	
5	1		"	"					"	The day ends with moderate tobs and clear weather
6	1		"	"					"	All sail set
7	1		Wly r	W					30.07	Men employed in cleaning ship
8	8		"	"					"	Pumps attended to
9	8		"	"					"	
10	8		"	"					"	
11	8		"	"					"	
12	7		"	"					"	85 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wly Wn	22	21	106	23-32 S	23-33 S	14° W	106	21-56 W	21-48 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			Wly Wn	W					30.07	Sat 2 day of Dec 1887
2			"	"					"	
3			"	"					"	
4			"	"					"	This day comes in with moderate tobs and clear weather
5			"	"					"	All sail set
6			"	"					"	
7			Wly Wn	W					"	
8			"	"					"	
9			"	"					"	
10			Wly Wn	W					"	Middle part the same as the first
11			"	"					"	
12			"	"					"	
1			"	"					"	
2			"	"					"	The day ends with partly cloudy weather and moderate tobs and occasional light squalls
3			"	"					"	
4			"	"					30.00	Men employed in cleaning ship
5			"	"					"	Pumps attended to
6			"	"					"	
7			Wly Wn	W					"	
8			"	"					"	
9			"	"					"	
10			"	"					"	
11			"	"					"	
12			"	"					"	86 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wly Wn	130	100	82	23-53	23-54 S	14° W	82	23-26	23-20 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		Wly Wn	W					30.00	Sunday 3 day of Dec 1887
2	5		"	"					"	
3	5		"	"					"	
4	5		"	"					"	This day comes in with moderate tobs and clear weather
5	5		"	"					"	and light passing squalls
6	6		"	"					"	
7	6		"	"					"	All sail set
8	6		"	"					"	
9	5		Wly Wn	W					"	
10	5		"	"					"	
11	5		"	"					"	Middle part the same as the first
12	5		"	"					"	
1	5		"	"					29-97	
2	6		"	"					"	8 AM Signal the Bark
3	6		"	"					"	British Princess from San Francisco bound to Cork
4	6		"	"					"	100 days out
5	6		Wly r	W					"	
6	6		"	"					"	
7	6		"	"					"	The day ends with passing squalls and light moderate weather
8	6		"	"					"	
9	7		Wly Wn	W					29-98	Pumps attended to
10	7		"	"					"	
11	7		"	"					"	
12	7		"	"					"	87 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wly Wn	132	83	105	23-34 S	23-34 S	16° W	111	23-11	23-20 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		Wly Wn	W					29-93	Mon. 4 day of Dec 1887
2	5		"	"					"	
3	5		"	"					"	
4	5		"	"					"	This day comes in with moderate tobs and clear weather
5	6		Wly Wn	W					"	
6	6		"	"					"	
7	6		"	"					"	All sail set
8	6		Wly Wn	W					"	
9	6		"	"					"	
10	7		"	"					"	Middle part was partly cloudy with fresh tobs
11	7		"	"					"	
12	7		"	"					"	
1	7		"	"					"	
2	7		"	"					"	8 AM Packeet Ship to the Eastward
3	7		"	"					"	
4	7		"	"					"	The day ends with partly cloudy weather and fresh tobs
5	7		"	"					"	Main Reel Stacks fixed
6	7		"	"					"	Men employed in various duties
7	7		"	"					29-90	
8	7		"	"					"	Pumps attended to
9	6		East	W					"	
10	6		"	"					"	
11	6		"	"					"	
12	6		"	"					"	88 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wly Wn	108	56	92	21-38 S	21-42	18° W	100	21-57 W	none

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Presley's day of Dec	1882
				Direction.	Force.		Air.	Water.				
1	5		East	W					29-90			
2	5		"	"					"			
3	4		"	"					"			
4	4		"	"					"	This day comes in with fresh		
5	5		E S	W					"	boles and cloudy weather		
6	5		"	"					"	and set sail but the main		
7	6		W	W					"	Rail Starb		
8	6		"	"					29-95	7 PM Packed Ship & the		
9	6		"	"					"	W		
10	6		W N W	"					"			
11	7		"	"					"	Mistake part Rain		
12	7		"	"					"			
1	6		"	"					"	8 AM Packed & the Eastward		
2	6		"	"					"	and at 10 AM Packed again		
3	7		"	"					"	& the W		
4	7		"	"					29-90			
5	7		"	"					"	The day ends with fresh		
6	7		"	"					"	boles and partly cloudy		
7	6		East	"					"	weather		
8	6		"	"					"	men employed as usual		
9	4		"	"					"	Pumps attended &		
10	7		W N W	W					"			
11	6		"	"					"	83 days out		
12	6		"	"					"			

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N W 1/2 W	65	20	50	20-55 S	21-00	12° W	54	22-54 W	23-50 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Wed 6 day of Dec	1882
				Direction.	Force.		Air.	Water.				
1	7		W N W	W					29-90			
2	7		"	"					"			
3	7		"	"					"	This day comes in with partly		
4	7		"	"					"	cloudy weather and fresh boles		
5	5		"	"					"	with occasional Rain		
6	5		"	"					"	Squalls		
7	5		East	W					"			
8	5		"	"					"	8 PM fired Sky Sail Mizzens		
9	5		"	"					"	Rail and Pop Gallant Starb		
10	5		"	"					"	7 PM Packed Ship & the		
11	6		"	"					"	Eastward		
12	6		"	"					"	The middle part was cloudy with		
1	6		"	"					"	occasional Rain Squalls		
2	6		"	"					"			
3	6		"	"					"	8 AM Packed Ship & the W		
4	6		"	"					"	set fire Pop Sail		
5	6		"	"					"			
6	6		"	"					"	The day ends with partly cloudy		
7	6		"	"					"	weather and fresh boles		
8	6		W N W	W					"	The men at work evening		
9	6		"	"					"	Ship		
10	6		"	"					"	Pumps attended &		
11	7		"	"					"			
12	7		"	"					"	90 days out		

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N W 3/4 W	40	39	23	20-19 S	none	12° W	25	22-46 W	none

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Thurs 7 day of Dec	1882
				Direction.	Force.		Air.	Water.				
1	7		W N W	W					29-90			
2	7		"	"					"			
3	7		"	"					"	This day comes in with fresh		
4	7		"	"					"	boles and cloudy weather with		
5	6		"	"					"	occasional Rain Squalls		
6	6		"	"					"	8 PM set Mizzens Rail		
7	6		East	W					"			
8	6		"	"					"	6 PM Packed Ship & the		
9	6		"	"					"	Eastward		
10	6		"	"					"			
11	6		"	"					29-95	The middle part of the day		
12	6		"	"					"	was cloudy with heavy Rain		
1	7		"	"					"			
2	7		"	"					"	8 AM Packed & the W		
3	7		"	"					"	and set Sky Sail and Mizzens		
4	6		"	"					"	Pop Gallant Starb		
5	6		"	"					"			
6	5		"	"					"	The day ends with fresh boles		
7	5		"	"					"	and Squally weather		
8	6		"	"					"			
9	6		W N W	W					"	Pumps attended &		
10	6		"	"					"			
11	6		"	"					"	91 days out		
12	6		"	"					"			

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N E 1/4 E	66	62	16	19-15	none	11° W	17	22-09	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Friday 8 day of Dec	1882
				Direction.	Force.		Air.	Water.				
1	6		W N W	W					29-95			
2	6		"	"					"			
3	6		"	"					"	This day comes in with fresh		
4	6		"	"					"	boles and partly cloudy		
5	5		"	"					"	weather and occasional		
6	5		"	"					"	Rain Squalls		
7	4		E N W	W					"			
8	4		"	"					29-90	6 PM Packed Ship & the		
9	4		"	"					"	Eastward fired Sky Sail		
10	3		"	"					"			
11	3		"	"					"	Middle part was moderate		
12	3		"	"					"	and Rain		
1	3		"	"					"	6 AM blut new Mizzens		
2	3		"	"					"	Rail and set Sky Sail		
3	4		East	W					"			
4	4		"	"					"	The day ends with partly		
5	4		"	"					"	cloudy weather and moderate		
6	4		"	"					"	boles		
7	4		"	"					"			
8	4		"	"					"			
9	3		"	"					"	Pumps attended &		
10	3		"	"					"			
11	3		"	"					"			
12	3		"	"					"	92 days out		

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NE	37	20	26	18-43	19-14	11° W	26	20-43	22-27 W

Journal from San Francisco Cal towards Liverpool Eng

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
		Direction.	Force.		Air.	Water.		
1	8	1/2 N					29.94	Sat 9 day of Dec 1881
2	"	"					"	
3	"	"					"	
4	"	"					"	This day comes in clear with
5	"	"					"	moderate breeze from the
6	"	"					"	Northward
7	"	"					"	All sail set
8	"	"					"	
9	"	"					"	
10	"	"					"	Middle part the same as
11	"	"					"	the first
12	"	"					"	3 AM hooked to the NW
1	"	"					"	
2	"	"					"	
3	"	"					"	
4	1/2 N	1/2 E					"	The day ends with moderate
5	"	"					"	breeze and clear weather
6	"	"					"	
7	"	"					"	Men employed as usual
8	"	"					"	
9	"	"					"	Pumps attended to
10	"	"					"	
11	"	"					"	
12	"	"					"	93 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 E	12	11	9	18-38.8	18-43.8	11° W	93	26-40	26-46 W

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
		Direction.	Force.		Air.	Water.		
1	1/2 N	1/2 E					29.94	Sunday day of Dec 1882
2	"	"					"	The day comes clear with
3	"	"					"	light northerly winds.
4	"	"					"	
5	East.	"					"	All sail set.
6	"	"					"	
7	"	"					"	
8	"	"					"	Middle and latter parts
9	"	"					"	as above.
10	"	"					"	
11	"	"					"	6.30 pm hooked ship to
12	"	"					"	the Eastward.
1	"	"					"	
2	"	"					"	
3	"	"					"	6 am hooked ship to back
4	"	"					"	ward & Westward.
5	"	"					"	
6	"	"					"	Day ends clear and light
7	1/2 N	"					"	northerly winds prevail.
8	"	"					"	
9	"	"					"	Crew unemployed.
10	"	"					"	
11	"	"					"	Pumps carefully attended
12	"	"					"	94 days at sea.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 2° E	24.	26.	1.	18.12.8	18.18.8	12° W	1.	26.39 W	26.43 W

Journal from San Francisco Cal towards Liverpool Eng

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
		Direction.	Force.		Air.	Water.		
1	East	1/2 E					29.94	Monday day of Dec 1882
2	"	"					"	The day comes in with
3	"	"					"	fine weather, and a light
4	"	"					"	northerly wind blowing.
5	"	"					"	
6	"	"					"	All sail set.
7	1/2 N	1/2 E					"	
8	"	"					"	1 pm hooked ship to the
9	"	"					"	Eastward.
10	"	"					"	
11	"	"					"	7 PM hooked to the NW
12	"	"					"	
1	"	"					"	Middle and latter part clear
2	"	"					"	and moderate
3	"	"					"	
4	"	"					"	Men employed in cleaning
5	"	"					"	ship
6	"	"					"	
7	"	"					"	Pumps attended to
8	"	"					"	
9	"	"					"	
10	"	"					"	
11	"	"					"	
12	"	"					"	95 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 86° W	45	86	86	17-33	17-43	11° W	88	27-07	27-03 W

H K F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
		Direction.	Force.		Air.	Water.		
1	1/2 N 1/2 E	1/2 E					29.96	Tuesday day of Dec 1882
2	"	"					"	The day comes in with
3	"	"					"	light northerly winds and
4	"	"					"	clear
5	"	"					"	
6	"	"					"	All sail set.
7	"	"					"	
8	"	"					"	
9	1/2 N. 1/2 E	1/2 E					"	Middle and latter parts
10	"	"					"	no material change
11	"	"					"	
12	"	"					"	Day ends the same.
1	"	"					"	
2	"	"					"	
3	"	"					"	Crew employed painting
4	"	"					"	ship.
5	"	"					"	
6	"	"					"	
7	"	"					"	Pumps carefully attended
8	"	"					"	
9	"	"					"	
10	"	"					"	
11	"	"					"	
12	"	"					"	96 days at sea.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 32° W	85	72.	45.	16.25.8	16.33.8	11° W	47.	27.54 W	27.50 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	<		N 1/2 W	E 1/2 S					29.98	10 th 13 day of Dec 1882
2	4		"	"					"	
3	4		"	"					"	
4	4		"	"					"	This day comes in with moder at 10 th and clear weather
5	4		"	"					"	
6	4		N 1/2 W	E 1/2 S					"	
7	4		"	"					"	All sail set
8	5		"	"					"	
9	5		"	"					"	
10	5		"	"					"	Middle and latter part the same as the first
11	4		"	"					"	
12	4		"	"					"	
1	4		N 1/2 E	E 1/2 S					"	Crew employed in clearing ship
2	4		"	"					"	
3	4		"	"					"	
4	4		"	"					"	Pumps attended to
5	4		"	"					"	
6	4		"	"					"	
7	4		"	"					"	
8	4		"	"					29.98	The day ends clear and moderate
9	5		"	"					"	
10	5		"	"					"	
11	5		"	"					"	
12	5		"	"					"	99 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 13° W	103	99	23	14-40	14-508	15° W	24	98-18	98-18 W
H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	
		Direction.	Force.		Air.	Water.			
1	5	N 1/2 W. East.					29.98	Thursday ^{day of} Dec. 1882	
2	5	"	"				"	The day comes in with clear weather and a fresh breeze blowing.	
3	5	"	"				"		
4	5	"	"				"		
5	5	"	"				"	All sail set.	
6	5	"	"				"		
7	5	"	"				"		
8	5	"	E x S.				"	Middle and latter part the same as the first	
9	6	"	"				"		
10	6	"	"				"		
11	6	"	"				"		
12	6	"	"				"		
1	6	"	"				"	Day ends as above	
2	6	"	"				"		
3	6	"	"				"		
4	6	"	"				"		
5	6	"	"				"	Crew employed cleaning ship.	
6	7	"	E S E.				"		
7	7	"	"				"		
8	7	"	"				"		
9	7	"	"				"	Pumps attended to.	
10	7	"	"				"		
11	6	"	"				"		
12	5.	"	"				"	98 days at sea -	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 W	141.	140.	14.	12.265	12.265	17° W.	14.	28.32 W	28.36 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		N 1/2 E	E 1/2 S					29.98	Friday 16 th day of Dec. 1882
2	6		"	"					"	
3	6		"	"					"	
4	6		"	"					"	This day comes in clear and moderate
5	6		"	"					"	
6	6		"	"					"	
7	6		"	"					"	All sail set
8	6		"	E 1/2 S					29.98	
9	6		"	"					"	Middle and latter part the same as the first
10	6		"	"					"	
11	6		"	"					"	
12	0		"	"					"	
1	7		"	"					"	Men employed in clearing ship
2	7		"	"					"	
3	7		"	"					"	
4	7		"	"					"	Pumps carefully attended to
5	7		"	S 1/2 E					"	
6	7		"	"					"	The day ends clear and moderate
7	6		"	"					"	
8	6		"	"					"	
9	6		"	"					"	
10	6		"	"					"	
11	6		"	"					"	
12	0		"	"					29.88	99 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.	
N 1/2 W	150	147	28	09-58	9-558	20° W	30	98-01	98-08 W	
H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		N 1/2 W.	S E					29.88	Saturday ¹⁶ day of
2	6		"	"					"	The day comes in with
3	6		"	"					"	clear weather, & moderate
4	6		"	"					"	trade winds.
5	6		"	"					"	
6	6		"	"					"	All sail set.
7	6		"	S E x E.					"	
8	6		"	"					"	
9	7		"	"					"	Middle and latter parts
10	7		"	E S E.					"	moderate, and the wind
11	7		"	"					"	hauling to Eastward.
12	7		"	"					"	
1	7		"	"					"	Day ends as above.
2	7		"	"					"	
3	7		"	"					"	
4	7		"	"					"	Men employed at cleaning
5	6		"	S E x E					"	ship.
6	6		"	"					"	
7	6		"	"					"	
8	6		"	"					"	
9	6		"	"					29.90	Pumps carefully attended
10	6		"	"					"	
11	6		"	"					"	
12	6		"	"					"	100 days at sea -

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 W.	152.	151.	16.	7.28.5	7.28.5	20° W.	16.	29.17 W	29.15 W.

Journal from San Francisco Cal towards Liverpool Eng.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		N x E 1/2 E	E x S.					29.90	The day comes in with moderate trade winds and clear weather.
2	5		"	"					"	"
3	5		"	"					"	"
4	6		"	"					"	"
5	6		"	"					"	"
6	6		"	"					"	"
7	6		N x E	E S E.					"	All sail set.
8	6		"	"					"	"
9	6		"	"					"	"
10	6		"	"					"	Middle and latter parts no material change.
11	6		"	"					"	"
12	6		"	"					"	"
1	5		"	"					"	Day ends as above.
2	5		"	"					"	"
3	5		"	"					"	"
4	5		"	"					"	Crew unemployed.
5	5		"	"					"	"
6	6		"	"					"	"
7	6		"	"					"	Pumps carefully attended.
8	6		"	"					"	"
9	6		"	"					"	"
10	6		"	"					"	"
11	6		"	"					"	"
12	7		"	"					"	101 days at sea -

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.	
N 1/2 E.	144.	143.	14.	5.06 S.	5.05 S.	17° W.	14.	29.04 W.	29.04 W.	
H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		N x E 1/2 E	ESE.					29.85	Monday ^{day of} Dec 1882
2	6		"	"					"	The day comes in with
3	6		"	"					"	moderate trade winds
4	6		"	"					"	and clear.
5	6		"	"					"	
6	6		"	S E					"	All sail set
7	6		"	"					"	
8	6		"	"					"	
9	6		"	"					"	
10	6		"	ESE					"	Middle and latter parts
11	6		"	"					"	the same as the first
12	6		"	"					"	
1	6		"	"					"	
2	6		"	"					"	Day ends the same
3	6		"	"					"	
4	5		"	"					"	
5	5		"	"					"	Crew employed at clean-
6	5		"	"					"	ing ship
7	5		"	"					"	
8	5		"	"					"	
9	5		"	"					"	Pumps carefully attended
10	5		"	"					"	
11	5-		"	"					"	
12	5-		"	"					"	102 days out
Course,	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.	
N 1/2 W.	130.	134.	13.	2.52 S	2.51 S	20° W.	13.	29.17 W.	29.16 W.	

Journal from San Francisco Cal towards Liverpool Eng.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		N x E	E S E					29.85.	
2	6		"	"					"	"
3	6		"	"					"	"
4	6		"	"					"	"
5	6		"	"					"	This day comes in with moderate trade winds and clear weather.
6	6		"	"					"	"
7	5		"	"					"	"
8	5		"	E x S					"	All sail set.
9	5		"	"					"	"
10	5		"	"					"	"
11	5		"	"					"	"
12	5		"	"					29.87	Middle and latter part the same as the first.
1	5		"	"					"	"
2	5		"	"					"	Crew employed in cleaning ship.
3	5		"	"					"	"
4	5		"	"					"	"
5	5		"	"					"	Pumps attended to.
6	5		"	"					"	"
7	5		"	"					"	Day ends as usual.
8	5		"	"					"	"
9	5		"	"					"	"
10	5		"	"					"	"
11	5		"	"					"	"
12	5		"	"					"	103 days out.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/4 W	132	130	18	00-58	00-50 S	20° W	18	29-35	29-32 W
H K F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of 1882
		Direction.	Force.		Air.	Water.			
1	5	N x E	E x S				29.87		
2	5	"	"				"		The day comes in much
3	5	"	"				"		clear weather, and a
4	5	"	"				"		moderate Easterly wind.
5	5	"	"				"		
6	5	"	"				"		
7	5	N x E 1/2 E	E S E.				"		All sail set.
8	5	"	"				"		
9	5	"	"				"		
10	5	"	"				"		Middle and latter
11	6	"	"				"		parts remain as above.
12	6	N x E.	E.				"		
1	6	"	"				"		
2	6	"	"				"		Crew employed at clean-
3	5	"	"				"		ing ship.
4	5	"	"				"		
5	5	"	"				"		Day ends moderate and
6	6	"	"				"		clear.
7	6	"	"				"		
8	6	"	"				"		Pumps carefully attended.
9	6	"	"				"		did.
10	5	"	"				"		
11	5	"	"				"		104 days out.
12	5	"	"				"		
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/4 W	128.	128	6.	1.16 N	1.15 N	22° W.	6.	29.41 W.	29.41 W.

Journal from San Francisco Cal towards Liverpool Eng.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		N E	ESE					29.90	Thursday day of Dec 1882
2	5		"	"					"	
3	5		"	"					"	
4	5		"	"					"	This day comes in with
5	5		"	"					"	moderate breeze from the
6	5		"	"					"	ESE
7	5		"	"					"	
8	5		N E	"					"	All sail set
9	5		"	"					"	
10	5		"	"					"	
11	5		"	"					"	Middle and latter part
12	5		"	"					"	Squally
1	5		"	"					"	Men employed as usual
2	5		"	"					"	
3	5		"	"					"	
4	5		"	"					"	
5	5		"	"					29.82	Pumps attended to
6	5		"	"					"	
7	5		"	"					"	The day ends in a heavy
8	5		"	"					"	Rain Squall
9	5		"	"					"	
10	5		"	"					"	
11	5		"	"					"	
12	5		"	"					"	105 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.	
N 1/2 E	180	180	6	3-16 1/2	3-11 1/2	19° W	6	29-47	29-47 W	
H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		N x E 1/2 E.	E x S					29.87	Friday day of Dec. 1882
2	4		"	"					"	The day comes in cloudy
3	4		"	"					"	with light variable winds
4	4		"	"					"	
5	1		"	"					"	All sail set.
6	1		N x E.	E S E.					"	
7	4		"	"					"	
8	4		"	S E.					"	Middle part attended
9	4		"	"					"	with heavy squalls of
10	4		"	"					"	wind and rain.
11	4		"	"					"	
12	4		"	S S E.					"	
1	4		"	"					29.85	10 am was struck by a
2	4		"	"					"	severe southerly squall,
3	4		"	"					"	called all hands, cleared
4	3		"	"					"	up skysail, fore, main,
5	3		"	S S W.					"	and mizzen royal, mizzen
6	2		"	"					"	and mizzen royal, mizzen
7	2		"	"					"	and mizzen royal, mizzen
8	2		"	"					"	and mizzen royal, mizzen
9	1		"	"					"	and mizzen royal, mizzen
10	2		"	"					"	and mizzen royal, mizzen
11	4		"	"					"	and mizzen royal, mizzen
12	4		"	"					"	and mizzen royal, mizzen
106 days out.										
Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.	
N 1/2 E	75	75	0	4.31 N.	0	17° W	0	29.47 W	0	

Journal from San Francisco Cal towards Liverpool Eng.

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	0			Coln					29.85	Saturday day of Dec 1882
2	0			"					"	
3	0			"					"	
4	0			"					"	This day comes in with
5	0			"					"	Squally weather and a
6	0			"					"	Coln
7	5		N x N W	N E					"	
8	5		"	"					"	All sail set
9	5		"	"					"	
10	6		"	"					"	4 PM bent new mizzen
11	6		"	"					"	Upper part of sail
12	6		"	"					"	
1	6		"	"					"	6 PM got a light breeze
2	6		"	"					"	from the N E
3	7		"	"					"	
4	7		"	"					"	Middle part cloudy and
5	8		"	"					"	moderate with occasional light
6	8		"	"					"	Rain Squalls
7	8		"	"					"	8 AM bent new fore top.
8	8		"	"					"	Fore top sail, fore top sail
9	8		"	"					"	main top sail and mizzen top sail
10	8		"	"					"	Stables
11	8		"	"					"	The day ends clear with fresh
12	8		"	"					"	breeze Pumps attended to
										107 days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.	
N 1/4 N	123	108	58	6-19	6-30 1/2	16° W	58	30-46	30-47	
H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		N x W	N E x E					29.85	Sunday day of Dec. 1882
2	7		"	"					"	The day comes in with
3	7		"	"					"	strong E & trades, and part-
4	7		"	"					"	ly cloudy weather.
5	7		"	"					"	
6	7		"	"					"	1 pm set main skysail &
7	7		"	"					"	mizzen top gallant stay -
8	7		"	"					"	sail.
9	7		"	"					"	1 pm set main royal stay -
10	7		"	"					"	sail.
11	7		"	"					"	
12	7		"	"					"	Middle and latter parts
1	8		"	"					"	the same as the first.
2	8		"	"					"	
3	8		"	"					"	Day ends with a strong
4	8		"	"					"	breeze & cloudy.
5	8		"	"					"	All sail set.
6	8		"	"					"	
7	8		"	"					"	Crew unemployed.
8	8		"	"					"	
9	8		"	"					"	Pumps carefully atten-
10	8		"	"					"	ded
11	8		"	"					"	
12	8		"	"					"	108 days out
Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.	
N 1/4 N	179	132.	120.	8.31 N	8.33 N	19° W	121.	32.47 W	32.48 W	

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	7		Ny N	Ny E					29.87	Monday ²⁵ day of Dec This day comes in with slight E breeze and partly cloudy weather. All sail set. Middle part the same as the first Latter part more mod- erate and hazy. Day ends as above. Crew employed clean- ing ship. Pumps carefully atten- ded. 109 days out.
2	7		"	"						
3	6		"	"						
4	6		"	"						
5	6		"	"						
6	6		"	"						
7	6		"	"						
8	6		"	"						
9	7		"	"						
10	7		"	"						
11	5		"	"						
12	5		"	"						
1	5		"	"						Tuesday ²⁶ day of Dec This day comes in clear with moderate N E breeze. All sail set. Middle and latter part moderate with partly cloudy weather. Day ends clear and moderate. Crew employed cleaning ship. Pumps carefully attended. 110 days at sea.
2	3		"	"						
3	3		"	"						
4	3		"	"						
5	3		"	"						
6	6		"	"						
7	6		"	"						
8	6		"	"						
9	6		"	"						
10	6		"	"						
11	6		"	"						
12	6		"	"						

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Ny N	136	118	75	10-34 N	10-23 N	17° W	77	32-04	34-03 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		Nx W.	Nx E.					29.95	Wednesday ²⁷ day of Dec This day comes in clear with moderate N E breeze. All sail set. Middle and latter part moderate with partly cloudy weather. Day ends clear and moderate. Crew employed cleaning ship. Pumps carefully attended. 111 days at sea.
2	5		"	"						
3	5		"	"						
4	5		"	"						
5	5		"	"						
6	5		"	"						
7	5		"	"						
8	5		"	"						
9	5		"	"						
10	5		"	"						
11	5		"	"						
12	5		"	"						
1	5		"	"						Thursday ²⁸ day of Dec This day comes in clear with moderate N E breeze prevailing. All sail set. Middle and latter part wind freshens and hauls to Eastward. Day ends clear and moderate. Crew employed clean- ing ship. Pumps carefully attended. 112 days at sea.
2	5		"	"						
3	5		"	"						
4	5		"	"						
5	5		"	"						
6	5		"	"						
7	5		"	"						
8	5		"	"						
9	5		"	"						
10	5		"	"						
11	5		"	"						
12	5		"	"						

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Nx W.	121	100	67	12-04 N	12-03 N	17° W	69	35-13 W	35-13 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		Ny N	Nx E					29.95	Friday ²⁹ day of Dec This day comes in clear with moderate N E breeze. All sail set. Middle and latter part moderate and hazy. Day ends clear and moderate. Crew employed cleaning ship. Pumps carefully attended. 111 days at sea.
2	5		"	"						
3	5		"	"						
4	5		"	"						
5	4		"	"						
6	3		"	"						
7	3		"	"						
8	5		"	"						
9	5		"	"						
10	5		"	"						
11	5		"	"						
12	4		"	"						
1	5		"	"						Saturday ³⁰ day of Dec This day comes in clear with moderate N E breeze prevailing. All sail set. Middle and latter part wind freshens and hauls to Eastward. Day ends clear and moderate. Crew employed clean- ing ship. Pumps carefully attended. 112 days at sea.
2	5		"	"						
3	5		"	"						
4	3		"	"						
5	3		"	"						
6	3		"	"						
7	3		"	"						
8	3		"	"						
9	3		"	"						
10	3		"	"						
11	3		"	"						
12	3		"	"						

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 99° W	102	88	49	13-33	13-33 N	17° W	51	36-04	36-02 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		Nx W.	Nx E.					29.97	Sunday ³¹ day of Dec This day comes in clear with moderate N E breeze prevailing. All sail set. Middle and latter part wind freshens and hauls to Eastward. Day ends clear and moderate. Crew employed clean- ing ship. Pumps carefully attended. 112 days at sea.
2	4		"	"						
3	4		"	"						
4	4		"	"						
5	4		"	"						
6	4		"	"						
7	5		"	"						
8	5		"	"						
9	5		"	"						
10	5		"	"						
11	5		"	"						
12	5		"	"						
1	6		"	"						Monday ¹ day of Jan This day comes in clear with moderate N E breeze prevailing. All sail set. Middle and latter part wind freshens and hauls to Eastward. Day ends clear and moderate. Crew employed clean- ing ship. Pumps carefully attended. 112 days at sea.
2	6		"	"						
3	5		"	"						
4	5		"	"						
5	5		"	"						
6	5		"	"						
7	5		"	"						
8	5		"	"						
9	5		"	"						
10	4		"	"						
11	4		"	"						
12	4		"	"						

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 20° W	113	106	38	15-19 N	15-19 N	16° W	39	36-43 W	36-41 W

Journal from San Francisco Cal towards Liverpool Eng.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		NyENE	E 1/2 S					30.01	Friday day of Dec 1882 This day comes in clear with moderate westerly winds
2	5		"	"					"	"
3	5		"	"					"	"
4	5		"	"					"	"
5	5		"	"					"	All sail set.
6	5		"	"					"	"
7	5		"	"					"	"
8	5		"	"					"	Middle and latter parts no material change.
9	5		"	"					"	"
10	5		"	"					"	"
11	5		"	"					"	"
12	6		NyE	East					"	"
1	6		"	"					"	Day ends clear and moderate.
2	6		"	"					"	"
3	6		"	"					"	"
4	6		"	"					"	"
5	6		"	"					30.03	Crew employed cleaning ship.
6	6		"	"					"	"
7	6		"	"					"	"
8	6		"	"					"	Pumps carefully attended.
9	6		"	"					"	"
10	6		"	"					"	"
11	6		"	"					"	"
12	6		"	"					"	113 days at sea.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 W	183	132	13	17-31 1/4	17-31 1/2	12° W	14	36-53	36-55 1/2

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		N 1/2 E 1/2 S	E 1/2 S.					30.03	Saturday day of Dec 1882 This day comes in clear with a fine Easterly breeze blowing.
2	6		"	"					"	"
3	6		"	"					"	"
4	6		"	"					"	"
5	4		"	"					"	"
6	4		"	"					"	All sail set.
7	4		"	"					"	"
8	4		"	"					30.09	"
9	3		"	"					"	Middle part moderate and clear.
10	3		"	"					"	"
11	3		"	"					"	"
12	3		"	"					"	"
1	2		"	"					"	Latter part calm.
2	2		"	"					"	"
3	2		"	"					"	Day ends calm and clear.
4	2		"	"					"	"
5	2		"	"					"	"
6	2		"	"					"	"
7	2		"	"					"	Crew employed cleaning ship.
8	0		0	Calm					"	"
9	0		0	"					"	Pumps carefully attended.
10	0		0	"					"	"
11	0		0	"					"	"
12	0		0	"					"	114 days out.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 6° W.	66	66.	6	18.37 N.	18.37 N.	19° W.	6.	37.03 W.	37.02 W.

Journal from San Francisco Cal towards Liverpool Eng.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	0		Calm						30.04	Sunday day of Dec 1882 This day comes in with clear weather and a calm prevails the entire day.
2	"		"	"					"	"
3	"		"	"					"	"
4	"		"	"					"	"
5	"		"	"					"	"
6	"		"	"					"	"
7	"		"	"					"	"
8	"		"	"					"	Fore and aft sail hauled down and courses hauled up.
9	"		"	"					"	"
10	"		"	"					"	"
11	"		"	"					"	"
12	"		"	"					"	Crew unemployed.
1	"		"	"					"	"
2	"		"	"					"	"
3	"		"	"					"	Day ends as before.
4	"		"	"					"	"
5	"		"	"					"	"
6	"		"	"					"	Pumps carefully attended.
7	"		"	"					"	"
8	"		"	"					"	"
9	"		"	"					"	"
10	"		"	"					"	"
11	"		"	"					"	"
12	"		"	"					"	115 days out.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 10° W.	66.	6.	7.	18.37 N.	18.43 N.	19° W.	7.	37.03 W.	37.08 W.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	0		Calm						30.04	Monday day of Jan 1883 The day comes in clear and calm.
2	0		"	"					"	"
3	0		"	"					"	"
4	0		"	"					"	"
5	2		N 1/2 W. N E	"					"	3 pm a light N E breeze springs up forced the ship up sharp on the star board tack and made all sail.
6	3		"	"					"	"
7	3		"	"					"	"
8	3		"	"					"	"
9	3		"	"					"	"
10	3		"	"					"	Middle part clear and moderate.
11	3		"	"					"	"
12	3		"	"					"	"
1	3		"	"					"	Latter part moderate & rainy.
2	2		"	"					"	"
3	3		"	"					"	"
4	3		N E. East.	"					"	Day ends with an approaching rain squall.
5	4		"	"					"	"
6	3		"	"					"	Crew employed at various jobs.
7	2		"	"					"	"
8	2		"	"					"	"
9	2		"	"					"	"
10	2		"	"					"	Pumps carefully attended.
11	2		"	"					"	"
12	2		"	"					"	116 days out.

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 14° W.	52.	50.	12.	19.27 N.	19.32 N.	19° W.	13.	37.16 W.	37.17 W.

Journal from San Francisco Cal. towards Liverpool Eng.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	2		WNE	ESE					30.04	This day continues with a light rain squall.
2	2		"	"					"	"
3	2		"	"					"	"
4	2		"	"					"	"
5	2		"	"					"	"
6	2		"	"					"	"
7	3		WNE	ESE					"	All sail set.
8	3		"	"					"	"
9	3		"	"					"	"
10	3		"	"					"	"
11	3		"	"					"	"
12	3		"	"					"	"
1	3		"	"					"	"
2	3		"	"					"	"
3	3		"	"					"	"
4	3		"	"					"	"
5	3		"	"					"	"
6	3		"	"					"	"
7	3		"	"					"	"
8	3		"	"					"	"
9	4		"	"					"	"
10	4		"	"					"	"
11	4		"	"					"	"
12	4		"	"					"	"

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 E	70	69	07	30-36	30-35-4	15° W	08	37-08	37-00 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	2		N x W.	N x E.					30.06	This day continues in clear with at 10 breeze blowing very moderately.
2	3		"	"					"	"
3	3		"	"					"	"
4	3		"	"					"	"
5	3		"	"					"	"
6	3		"	"					"	"
7	4		"	"					"	"
8	4		"	"					"	"
9	4		"	"					"	"
10	5		"	"					"	"
11	5		"	"					"	"
12	5		"	"					"	"
1	6		N x E.	"					30.10	"
2	6		"	"					"	"
3	4		"	"					"	"
4	4		"	"					"	"
5	4		"	"					"	"
6	4		"	"					"	"
7	4		"	"					"	"
8	4		"	"					"	"
9	4		"	"					"	"
10	4		"	"					"	"
11	4		"	"					"	"
12	4		"	"					"	"

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 17° W.	96	92	28	22.08 N.	22.08 N.	16° W.	30	37.38 W.	37.38 W.

Journal from San Francisco Cal. towards Liverpool Eng.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	2		N x W.	N x E.					30.07	This day continues in clear with partly cloudy weather, moderate.
2	2		"	"					"	"
3	2		"	"					"	"
4	2		"	"					"	"
5	2		"	"					"	"
6	2		"	"					"	"
7	2		"	"					"	"
8	2		"	"					"	"
9	2		"	"					"	"
10	2		"	"					"	"
11	2		"	"					"	"
12	2		"	"					"	"
1	1		"	"					"	"
2	2		"	"					"	"
3	2		"	"					"	"
4	2		"	"					"	"
5	3		N x E.	E x N.					"	"
6	3		"	"					"	"
7	3		"	"					"	"
8	3		"	"					"	"
9	3		"	"					"	"
10	3		"	"					"	"
11	3		"	"					"	"
12	3		"	"					"	"

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 W.	55	53	18	23-01 N.	23-01 N.	15° W	14	37-53 W.	37-53 W.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	2		N x E.	E x N.					30.07	This day continues in moderate with partly cloudy weather.
2	2		"	"					"	"
3	2		"	"					"	"
4	2		"	"					"	"
5	4		"	"					"	"
6	4		"	"					"	"
7	5		"	"					"	"
8	5		"	"					"	"
9	6		"	"					"	"
10	6		"	"					"	"
11	6		"	"					"	"
12	6		"	"					"	"
1	7		"	"					"	"
2	7		"	"					"	"
3	7		"	"					"	"
4	6		"	"					"	"
5	6		"	"					"	"
6	6		"	"					"	"
7	6		"	"					"	"
8	6		"	"					"	"
9	6		"	"					"	"
10	4		"	"					"	"
11	4		"	"					"	"
12	4		"	"					"	"

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N x W.	119	117	23	24.58 N.	24.58 N.	16° W.	25	38.17 W.	38.16 W.

Journal from San Francisco Cal towards Liverpool Eng.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		N by W 1/2 W.	Veze.					30.11	The day commences in clear with a moderate N.E. breeze.
2	4		"	"					"	"
3	4		"	"					"	"
4	3		"	"					"	"
5	3		"	"					"	"
6	4		"	"					"	All sail set.
7	4		"	"					"	"
8	4		"	"					"	"
9	4		"	"					"	"
10	3		"	"					"	Middle and latter parts extremely moderate, with partly cloudy weather.
11	3		"	"					"	"
12	3		"	"					"	"
1	3		"	"					"	"
2	3		"	"					"	"
3	1		"	"					"	Day ends as above.
4	1		"	"					"	"
5	1		"	"					"	"
6	1		"	"					"	Crew employed variously.
7	1		"	"					"	"
8	1		"	"					"	"
9	1		"	"					30.12	Pumps attended.
10	1		"	"					"	"
11	1		"	"					"	"
12	1		"	"					"	121 days out.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N by W 1/2 W.	6.3	46	25	35.42	23.42	18° W	28	38.45	100.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	1		N by N.	N by N.					30.15	The day commences in clear and light air from N.E. prevailing.
2	1		"	"					"	"
3	2		"	"					"	"
4	3		"	"					"	"
5	3		"	"					"	All sail set.
6	3		"	"					"	"
7	2		"	"					"	"
8	2		"	"					"	"
9	2		"	"					"	Middle and latter parts calm and clear with a heavy N.W. swell on.
10	2		"	"					"	"
11	1		"	"					"	"
12	0		Calm						"	"
1	0		"						"	4 pm a light breeze from the N.W. spruced around the yards and made all sail.
2	0		"						"	"
3	0		"						"	"
4	1		N by N 1/2 N	N by N					"	"
5	1		"	"					"	"
6	1		"	"					"	Day ends clear with a moderate breeze.
7	0		"	"					"	"
8	0		"	"					30.11	Crew unemployed.
9	0		"	"					"	"
10	2		"	"					"	Pumps attended.
11	2		"	"					"	"
12	2		"	"					"	122 days out.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N.W.	31.	11.9.	28.6	25.56N.	25.56N.	15° W	32.	39.17W.	39.17W.

Journal from San Francisco Cal towards Liverpool Eng.

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		N by E	N by W					30.11	The day commences in night with a moderate breeze & clear.
2	4		"	"					"	"
3	4		"	"					"	"
4	4		"	"					"	"
5	4		"	"					"	All sail set.
6	4		"	"					"	"
7	4		S by E	North					"	"
8	3		"	"					"	"
9	3		"	"					"	Middle and latter parts the same as the first.
10	3		"	"					"	"
11	4		"	"					"	"
12	4		"	"					"	"
1	4		"	"					"	Day ends as above.
2	4		"	"					"	"
3	4		"	"					"	"
4	4		"	"					"	Crew employed variously.
5	4		"	"					"	"
6	4		"	"					"	"
7	4		"	"					"	"
8	4		"	"					30.20	Pumps carefully attended.
9	5		"	"					"	"
10	5		"	"					"	"
11	5		"	"					"	"
12	5		"	"					"	123 days out.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N by E	97	65	72	27-01 N.	27-01 N.	17° W	81.	37-56	37-57 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		N by E	N by W					30.05	The day commences in clear with a moderate westerly breeze and evening to be settled.
2	4		"	"					"	"
3	4		"	"					"	"
4	4		"	"					"	All sail set.
5	4		"	"					"	"
6	4		"	"					"	"
7	4		"	"					"	"
8	4		"	"					"	4 pm wind commences to freshen and so evening until midnight when a fresh gale prevails.
9	4		"	"					"	"
10	8		"	"					"	"
11	8		"	"					"	"
12	9		"	"					30.00	"
1	9		"	"					"	3 am took a severe squall cleared up & hauled down light sails.
2	9		"	"					"	"
3	9		"	"					"	"
4	8		"	"					"	8 am made all sail with the exception of the royal staysail.
5	8		"	"					"	"
6	8		"	"					"	"
7	8		"	"					"	"
8	8		"	"					"	Day ends clear with a fresh gale blowing.
9	8		"	"					"	"
10	9		"	"					"	"
11	9		"	"					"	Pumps attended.
12	9		"	"					"	124 days out.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N by E	172.	141.	99	29.22N.	29.22N.	19° W.	112.	36.04W.	36.02W.

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		E 1/2 E	N 1/2 N					29.95	Wednesday day of Jan 1883 This day comes in with a fresh gale from the NW blowing.
2	8		"	"					"	"
3	5		"	"					"	"
4	5		"	"					"	"
5	5		E 1/2 S	N 1/2 E					"	2 pm set the main royal staysail.
6	5		"	"					"	"
7	6		"	"					"	"
8	6		"	"					"	"
9	7		"	"					"	Middle part moderate with occasional light rain squalls.
10	7		"	"					"	"
11	9		"	"					"	"
12	9		"	"					30.03	Latter part calm & cloudy.
1	3		"	"					"	"
2	1		"	"					"	"
3	1		"	"					"	Day ends with a moderate breeze.
4	1		"	"					"	"
5	1		"	"					"	Crew employed variously.
6	1		"	"					"	"
7	1		"	"					"	"
8	1		"	"					30.07	"
9	2		"	"					"	Pumps carefully attended.
10	2		"	"					"	"
11	2		"	"					"	"
12	2		"	"					"	125 days out.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
E 1/2 E	86	29	81	29-51	29-51	20° N	99	34-31	34-38

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		N-E	N-NW					30.07	Thursday day of Jan 1883 This day comes in with a moderate N.W. breeze & clear.
2	4		"	"					"	"
3	4		"	"					"	"
4	4		"	"					"	"
5	4		"	"					"	All sail set.
6	4		"	"					"	"
7	4		"	"					"	"
8	4		N-E 1/2 E	"					30.15	Middle part moderate and attended by light squalls of rain & wind.
9	5		"	"					"	"
10	5		"	"					"	"
11	5		"	"					"	"
12	5		"	"					30.09	Latter part a fresh breeze partly cloudy weather & squally.
1	5		"	"					"	"
2	5		"	"					"	"
3	6		"	"					"	Day ends the same.
4	6		"	"					"	"
5	6		"	"					"	Crew employed at various duties.
6	6		E 1/2 E	N-NW					"	"
7	6		"	"					30.11	"
8	6		"	"					"	"
9	6		"	"					"	Pumps carefully attended.
10	6		"	"					"	"
11	6		"	"					"	"
12	6		"	"					"	126 days at sea.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N-E 1/2 N	122	94	77	31.25 N	31.25 N	22° W	90	33.01 W	33.05 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		E 1/2 E	N 1/2 N	3/4	Peris			30.10	Friday day of Jan 1883 This day comes in with a fresh westerly breeze & partly cloudy weather.
2	6		"	"					"	"
3	6		"	"					"	"
4	6		"	"					"	"
5	6		"	"					"	All sail set.
6	6		"	"					"	"
7	7		"	"					"	"
8	7		E 1/2 N	N 1/2 N					30.15	Middle and latter part a fresh breeze attended with occasional brisk squalls of wind & rain.
9	7		"	"					"	"
10	6		"	"					"	"
11	5		"	"					"	"
12	5		"	"					30.13	"
1	5		"	"					"	"
2	5		"	"					"	Day ends with cloudy weather and moderate breeze.
3	5		"	"					"	"
4	5		"	"					"	"
5	5		"	"					"	Crew employed at their usual respective duties.
6	5		"	"					"	"
7	5		"	"					"	"
8	5		"	"					"	Pumps carefully attended.
9	4		"	"					"	"
10	4		"	"					"	"
11	4		"	"					"	"
12	4		"	"					"	127 days out.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N-E 1/2 E	129	61	114	32-26	32-24	20° N	135	30-26 W	30-26 W

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		E 1/2 N	N 1/2 N					30.15	Saturday day of Jan 1883 This day comes in with a moderate breeze and cloudy weather.
2	3		"	"					"	"
3	3		"	"					"	"
4	3		"	"					"	"
5	3		"	"					"	All sail set.
6	3		"	"					"	"
7	3		N-E 1/2 E	N-NW					"	"
8	3		"	"					30.16	Middle part a moderate breeze with occasional squalls of wind.
9	3		"	"					"	"
10	3		"	"					"	"
11	3		"	"					"	"
12	3		"	"					30.12	Latter part breeze freshens and hauls by N.W.
1	3		"	"					"	"
2	3		"	"					"	"
3	3		N-E 1/2 E	N-NW					"	Day ends with a fresh breeze and partly cloudy weather.
4	4		"	"					"	"
5	4		"	"					"	"
6	5		"	"					"	Crew employed cleaning ship.
7	5		"	"					"	"
8	5		"	"					30.10	"
9	5		"	"					"	Pumps carefully attended.
10	6		"	"					"	"
11	6		N-E 1/2 E	N-NW					"	"
12	6		"	"					30.04	128 days out.

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N-E 1/2 E	91	85	90	33-51	33-51	22° W	96	30.18 W	30.11 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		ve	wn					30.05	188
2	8		"	"					"	This day comes in with fresh
3	8		"	"					"	barrels and partly cloudy
4	8		"	"					"	weather
5	8		"	"					30.00	All sail set
6	8		"	"					"	Middle part cloudy with
7	8		"	"					"	occasional Rain Squalls
8	8		"	"					"	1 AM first light sails
9	8		"	"					"	wind increasing and a heavy
10	8		"	"					"	sea running from the NW
11	8		"	"					"	4 AM wind hauled & the
12	8		"	"					"	NW and increased to a gale
1	8		"	"					"	first Reils Pop Gullent Sails
2	8		"	"					"	Main Pop Gullent Sails and 1st
3	8		"	"					29.85	Pop Sails
4	8		"	"					"	8 AM Reel out of 1st and main
5	8		"	"					"	Sail first Cross Jack Sparker
6	8		"	"					"	and flying jib Ship coloring
7	8		"	"					"	heavy and making considerable
8	8		"	"					"	water also shipping large
9	8		"	"					30.00	quantities of Deck
10	8		"	"					"	The day ends clear and a
11	8		"	"					"	little more moderate 11 AM made
12	8		"	"					"	Sail Pumps attended to

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 E	171	16 S.	2.5	36-34	36-20.2	22° N	68	88-10 W	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		ve	wn		1/2 Pint.			30.04	188
2	5		"	"					"	This day comes in clear with
3	6		"	"					"	heavy 1st sails blowing from the
4	6		"	"					"	WN and a very heavy sea
5	6		"	"					30.15	running from the NW
6	6		"	"					"	
7	6		"	"					"	At 1 PM Reel out of 1st and
8	6		"	"					"	main Pop Sails set Cross Jack
9	6		"	"					"	Sparker and flying jib
10	6		"	"					"	
11	7		"	"					"	12 Midnight a little more moderate
12	7		"	"					"	set the Pop Gullent Sails
1	7		"	"					"	4 AM set Reils Main Pop Gullent
2	7		"	"					"	Sails and 1st Pop Sails
3	8		"	"					"	
4	8		"	"					"	The day ends with clear
5	7		"	"					"	pleasant weather and fresh
6	7		"	"					"	gales
7	7		"	"					"	All sail set
8	7		"	"					"	
9	7		"	"					"	Pumps carefully attended to
10	7		"	"					"	& Ship making some water
11	5		"	"					30.20	
12	4		"	"					"	130 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 E	159	9 S	1.8	38.11	38-11.2	22° N	150	26-20	26-36 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		ve	wn					30.20	188
2	3		"	"					"	
3	3		"	"					"	This day comes in with clear
4	3		"	"					"	weather and moderate gales
5	3		"	"					"	also a heavy sea running from
6	3		"	"					30.24	the NW
7	3		"	"					"	All sail set
8	3		"	"					"	
9	3		ve	wn					"	
10	3		"	"					"	
11	1		"	"					"	Middle and latter part
12	1		"	"					30.20	clear and very moderate
1	1		"	"					"	
2	1		"	"					"	Pumps carefully attended to
3	1		"	"					"	men employed in various duties
4	2		"	"					"	
5	3		"	"					"	The day ends clear with moderate
6	4		"	"					"	gales from the NW
7	3		"	"					"	and 1st Sails first set
8	3		"	"					"	
9	3		"	"					"	
10	4		"	"					"	
11	4		"	"					"	131 days out
12	4		"	"					30.10	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 E	67	5 S	3.7	39-06	39-00.4	24° N	48	85-52	85-54

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		ve	wn					30.10	188
2	5		"	"					"	
3	5		"	"					"	This day comes in with partly
4	5		"	"					"	cloudy weather and moderate
5	6		"	"					"	gales blowing from the NW
6	8		"	"					"	
7	8		"	"					"	Reel out 1st Sails and Cross
8	8		"	"					"	Jack first
9	9		"	"					30.05	
10	9		"	"					"	Middle and latter part clear
11	9		"	"					"	
12	9		"	"					"	men employed as usual
1	9		"	"					"	
2	9		"	"					"	Pumps attended to
3	9		"	"					"	
4	9		"	"					"	The day ends with clear weather
5	9		"	"					"	and fresh gales
6	9		"	"					"	
7	9		"	"					"	
8	9		"	"					29.98	
9	9		"	"					"	
10	9		"	"					"	
11	9		"	"					"	
12	9		"	"					"	132 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 E	201	19 S	14.8	41-21	41-20.4	24° N	197	82-35	82-46

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		ve e	ve n					29.85	Phos 18 day of Jan 1883
2	8		"	"					"	
3	7		"	"					"	
4	7		"	"					"	This day comes in with
5	5		"	"					"	partly cloudy weather and
6	5		"	"					"	fresh breeze from the NW
7	9		"	"					"	and all set
8	8		"	"					"	Seils set
9	8		"	"					30.00	
10	8		"	"					"	At 4 PM had a heavy Rain
11	8		"	"					"	Squall from the NW
12	8		"	"					"	
1	8		"	"					"	Visible part clear with light
2	8		"	"					"	air from the NW
3	8		"	"					"	
4	8		"	"					"	4 AM wind hauled to the SW
5	8		"	"					"	with Rain
6	8		"	"					"	
7	8		"	"					"	The day ends with cloudy weather
8	8		"	"					"	and fresh breeze
9	8		"	"					"	All sail set
10	8		"	"					29.85	Pumps attended to
11	8		"	"					"	
12	8		"	"					"	133 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
ve e	100	72	67	48-35	none	24° W	88	21-03	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			ve e	ve n					29.83	Phos 19 day of Jan 1883
2			"	"					"	
3			"	"					"	This day comes in Rainy with
4			"	"					"	moderate breeze blowing from
5			"	"					"	the SSE
6			"	"					"	All sail set
7			"	"					"	
8			"	"					"	At 6 PM the wind hauled to
9			"	"					29.80	the SSE and increased force
10			"	"					"	light sails and the Spenters
11			"	"					"	Visible part cloudy with occasional
12			"	"					"	Rain squalls
1			"	"					29.85	2 AM fired Cross peak
2			"	"					"	
3			"	"					"	6 AM wind hauled to the further
4			"	"					"	set Cross peak Spenters and Migger
5			"	"					"	Rail
6			"	"					29.80	The day ends with Rainy weather
7			"	"					"	and fresh breeze every thing
8			"	"					"	set for the light sails
9			"	"					"	
10			"	"					"	Pumps attended to
11			"	"					"	
12			"	"					"	134 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
ve e	190	131	117	44-26	none	26° W	166	18-12 W	none

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	7		SE 1/2 E	ve e					29.82	Phos 20 day of Jan 1883
2	7		"	"					"	
3	7		"	"					"	This day comes in cloudy with
4	6		"	"					"	fresh breeze blowing from the
5	6		"	"					"	W also a heavy sea from the SSE
6	6		"	"					"	Light sails fished
7	6		"	"					"	
8	6		"	"					"	3 PM packed Ship to the north
9	8		"	"					"	and
10	8		"	"					"	
11	8		"	"					"	Visible and latter part clear
12	8		"	"					"	with fresh breeze and a heavy
1	9		"	"					"	Sea Shipping large quantities
2	9		"	"					"	of water
3	9		"	"					"	Spenters and light sails fished
4	9		"	"					29.85	
5	9		"	"					"	The day ends with cloudy weather
6	9		"	"					"	6 AM set Sky sail and Migger
7	9		"	"					"	Ref. Collant Sails
8	10		"	"					"	Pumps carefully attended to
9	10		"	"					"	
10	10		"	"					"	
11	10		"	"					"	135 days out
12	10		"	"					"	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
ve	189	129	130	46-55 W	none	22° W	181	15-06 W	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		ve e	ve n					29.83	Phos 21 day of Jan 1883
2	10		"	"					"	
3	10		"	"					"	This day comes in cloudy with
4	10		"	"					"	fresh breeze and a heavy sea
5	10		"	"					"	Ship, laboring heavy and
6	10		"	"					"	Shipping large quantities of water
7	10		"	"					"	every thing set for the Spenters
8	10		"	"					"	and main Rail Sails
9	11		"	"					"	2 PM fished light sails
10	11		"	"					"	Visible and latter part was
11	11		"	"					"	partly cloudy with heavy breeze
12	11		"	"					"	and a very heavy sea Ship
1	10		"	"					"	laboring heavy and Shipping large
2	10		"	"					"	quantities of water
3	10		"	"					"	10 PM fished Rails
4	10		"	"					"	8 AM partly cloudy wind hauled
5	10		"	"					29.80	more easterly fished fore and Migger
6	10		"	"					"	Ref. Collant Sails
7	10		"	"					"	Pumps carefully attended to
8	10		"	"					"	
9	10		"	"					"	Day ends as above
10	10		"	"					"	Posed for number of vessels
11	10		"	"					"	standing to the westward
12	10		"	"					"	136 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
ve e	241	178	161	49-54	49-40	28° W	251	10-53	11-00 W

Journal from San Francisco Cal towards Liverpool Eng

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		Sy r	Scrh					29.95	Monday 22 day of Jan 1883
2	8		"	"					"	This day comes in with partly
3	9		Sy r	"					"	cloudy weather and fresh Gale
4	9		"	"					"	"
5	9		"	"					30.00	2 PM set the Pop Golland Sirt
6	8		"	"					"	and Spunker
7	8		"	"					"	6 PM set Migger Pop Golland
8	8		"	"					"	Sirt Rorts Main Pop Golland Sirt
9	8		"	"					"	and fire Pop Sirt
10	9		"	"					"	"
11	9		"	"					"	Mistake and latter part was
12	9		"	"					"	partly cloudy with moderate
1	7		"	"					"	Gales
2	7		"	"					"	"
3	7		"	"					"	The day ends cloudy with moderate
4	8		"	"					30.16	and Gale from the South-east
5	8		"	"					"	"
6	7		"	"					"	All Sirt set
7	7		Wye	"					"	Pump carefully attended to
8	8		"	"					"	"
9	8		"	"					"	"
10	8		"	"					"	"
11	8		"	Sy e					"	137 days out
12	8		"	"					30.22	"

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 62° E	191	117	151	51-57-1	none	22° N	246	6-49 N	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			Wye	SSE					30.22	Tues 23 day of Jan 1883
2			"	"					"	This day comes in cloudy with
3			"	"					"	fresh Gale from the South-east
4			"	"					"	"
5			"	"					"	All Sirt set
6			"	"					"	4 PM got the first Peck up
7			"	"					"	and got every thing
8			"	"					"	ready for entering port
9			"	"					"	At 5 PM made Race and bearing
10			"	"					"	W 15 miles and at 10 PM made
11			"	"					"	Barge bearing 1/2 S 1/2 W 12 miles
12			"	Sy e					"	through the night the wind was blowing
1			W	"					"	and very strong light Sirt fired
2			"	"					"	4 AM Sirt fired bore South 8 miles
3			W	"					"	6 AM took a Pop Boat and at 7 got
4			"	"					"	a Pilot fired all square Sirt
5			"	"					"	"
6			"	"					"	"
7			"	"					"	"
8			"	"					30.20	The day ends with clear
9			"	"					"	weather and fresh Gale
10			"	"					"	"
11			"	"					"	"
12			"	"					"	"

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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Journal from towards

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1										Wed 24 day of Jan 1883
2										"
3										This day comes in clear with
4										fresh Gale from the SSE
5										at 2 PM we got up to the
6										Boat but their not being water
7										enough we had to wait until
8										11 PM when we passed over the
9										line was blowing heavy so that
10										we had to get another Pop Boat
11										"
12										"
1										5 AM we came to Anchor below
2										Black Rock with the Port Anchor
3										and forty five fathoms there
4										in nine fathoms of water
5										"
6										The day ends with fresh Gale
7										and cloudy weather
8										men employed in getting in
9										fire Boats and other duties
10										shall commence Harbor Log
11										from 4 de
12										at 11 PM we took the ship in
										sick of short Gale and made fast

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Lying in Longton Dock Liverpool Eng									

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			Thurs the 25 day of Jan 1883							This day comes in clear with
2										moderate Gale from the SW
3										5 AM over all left the
4										Ship so at 2 PM we got
5										Riggers and holled up in a
6										our birth and made fast
7										The day ends cloudy
8			Tuesday " 26	"	"	"	"	"	"	This day comes in with partly
9										cloudy weather and heavy Gale
10										from the NW
11			Sat " 27	"	"	"	"	"	"	This day has been clear
12										with moderate Gale from
1										the SW
2			Sun " 28	"	"	"	"	"	"	All this day has been cloudy
3										with occasional Rain Squalls
4										and moderate Gale from the West
5			Monday " 29	"	"	"	"	"	"	ward
6										Squally weather discharged 196
7										tons of wheat
8			Tuesday " 30	"	"	"	"	"	"	Partly cloudy weather and fresh
9										Gale discharged 188 tons wheat
10										"
11										"
12										"

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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Journal from Lying in port of towards Liverpool Eng

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
		Direction.	Force.		Air.	Water.				
1	Wed	81	"	day of Jan			18.83	All this day was clear with moderate S.W. discharged 281 Tons of Wheat		
2										
3										
4	Thurs	1 st	"	Feb				All this week has been squally with fresh S.W. most of the time discharged 172 Tons of Wheat		
5										
6										
7										
8										
9	Friday	2 nd	"	"	"	"		discharged 172 Tons of Cargo		
10								discharged 171 Tons of Cargo		
11	Sat	3 rd	"	"	"	"		All this day was clear with fresh moderate S.W. from the South-west		
12	Sunday	4 th	"	"	"	"		Partly cloudy with occasional Rain Squalls discharged 174 Tons of Cargo		
1								To day was the same as yesterday discharged 189 Tons of Cargo		
2	Monday	5 th	"	"	"	"		Rainy with fresh S.W. discharged 201 Tons of Cargo		
3										
4	Tuesday	6 th	"	"	"	"				
5										
6	Wed	7 th	"	"	"	"				
7										
8	Thurs	8 th	"	"	"	"				
9										
10										
11										
12										

Course Distance Diff. of Lat. Departure Lat. by D. R. Lat. by Ob. Variation Diff. of Lon. Lon. by D. R. Lon. by Ob.

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
		Direction.	Force.		Air.	Water.				
1	Friday	10 th	"	9 th of Feb			18.83	Cloudy with some Rain and fresh from the S.W. discharged 218 Tons of Cargo		
2										
3										
4	Sat	"	"	10	"	"	"	discharged about 175 Tons of Cargo		
5								This day was clear with moderate S.W. and fresh from the S.W.		
6	Sunday	"	"	11	"	"	"	Partly cloudy weather and fresh S.W. discharged 107 Tons of Cargo		
7										
8	Monday	"	"	12 th	"	"	"	Squally with fresh S.W. from the S.W. discharged 60 Tons of Cargo		
9										
10	Tuesday	"	"	13 th	"	"	"	This day was squally with fresh S.W. discharged 132 Tons of Cargo		
11								Copper Ore and took in 88 Tons of Copper Scales and Soda Ash		
12	Wednesday	"	"	14 th	"	"	"	This day has been partly cloudy with moderate S.W. discharged 137 Tons of Cargo and took in 98 Tons		
1										
2										
3										
4										
5										
6	Thursday	"	"	15 th	"	"	"			
7										
8										
9										
10										
11										
12										

Course Distance Diff. of Lat. Departure Lat. by D. R. Lat. by Ob. Variation Diff. of Lon. Lon. by D. R. Lon. by Ob.

Journal from Liverpool Eng towards New York

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
		Direction.	Force.		Air.	Water.				
1								At 9 A.M. the crew came on board we then unmoored ship, took steam and at 11 passed out through the Lock Gates and proceeded down River		
2								At 3 P.M. we made sail and discharged 1800 Tons of Coal at 12 midnight 800 Tons of Coal were on board 25 miles		
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course Distance Diff. of Lat. Departure Lat. by D. R. Lat. by Ob. Variation Diff. of Lon. Lon. by D. R. Lon. by Ob.

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
		Direction.	Force.		Air.	Water.				
1	W.S.W.	6-12					30.05		Sat 10	March
2	"									
3	"									
4	"							This day comes in with moderate S.W. and squally weather		
5	"									
6	"									
7	"									
8	"									
9	"									
10	"						30.00	Mist and latter part cloudy and moderate		
11	"									
12	"									
1	"									
2	"									
3	"									
4	"									
5	W.S.W.	8-12								
6	"									
7	"									
8	"									
9	"									
10	"									
11	"						29.92	The day ends Rainy with fresh S.W. Pumps attended & 2 days out		
12	"									

Course Distance Diff. of Lat. Departure Lat. by D. R. Lat. by Ob. Variation Diff. of Lon. Lon. by D. R. Lon. by Ob.

30.92

10-24

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 8	SE						This day comes in with cloudy weather and fresh breeze light sails furled
2	8		"							
3	8									
4	8		W 8	SE						
5	10									
6	10									
7	10									
8	10									
9	8									
10	8		"							
11	8									Mist and latter part partly cloudy All sail set
12	8									
1	8									
2	8									
3	8									
4	8		"							
5	8									
6	8									
7	8		W 8	SE						
8	8									
9	8									
10	8									Pumps attended to Day ends clear and moder- ate 3 days out
11	6									
12	6									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 218° W	188	128	143	48-88	48-88	24° W	313	13-57	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 8	W					30.11	This day comes in with clear weather and fresh breeze All sail set
2	8		"							
3	8									
4	8									
5	8									
6	8									
7	10									
8	10									
9	10									
10	10		"						30.20	
11	8									Mist and latter part partly cloudy and moderate Pumps attended to ship making a little noise 4 days out
12	8									
1	8									
2	8									
3	8		S 1/2 W	W 1/2						
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	6		S 1/2 W	W 1/2						Day ends clear and moder- ate 6 days out
11	6									
12	6									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 177° W	177	124	136	46-84	46-16	22° W	182	16-58	

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		S 1/2 W	W 1/2					30.20	This day comes in clear with moderate breeze All sail set
2	6									
3	6									
4	6									
5	6									
6	6		"							
7	5									
8	5									
9	4								30.28	
10	4									
11	4									Mist and latter part the same as the first Pumps carefully attended to Crew employed in cleaning ship Day ends clear and moderate 6 days out
12	4									
1	5									
2	4									
3	3									
4	3		"							
5	3									
6	3									
7	3								30.30	
8	3									
9	3									
10	4									Day ends clear and moderate 6 days out
11	4		"							
12	4									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 103° W	103	88	98	44-57	44-52	22° W	52	44-53	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		S 1/2 W	W 1/2					30.18	This day comes in clear with light breeze from the westward All sail set
2	8									
3	1									
4	1									
5	3		West	variable						
6	3									
7	1									
8	1									
9	0									
10	0									
11	4									Mist and latter part squally and moderate Pumps attended to Day ends clear and moder- ate 6 days out
12	4		W 1/2	S 1/2						
1	4									
2	4									
3	0									
4	3								30.10	
5	3									
6	3									
7	3		W 1/2	W 1/2						
8	3									
9	4									
10	4									Day ends clear and moder- ate 6 days out
11	5									
12	6								30.00	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 89° W	47	6	46	44-58	44-08	24° W	65	18-52	

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		NW	West					29.00	Thurs 15 day of March 1883 This day comes in with partly cloudy weather and fresh breeze 6 PM furled light sails 2 PM furled top Gallant Sails and at 12 midnight Reefed top Sails and furled Cross Jack and thereon reported ship, laboring heavily and making some water pumps attempted to 8 AM Reefed main Sails Log ends clear with fresh breeze 8 days out
2	6									
3	8									
4	8									
5	8		South	WSW						
6	6									
7	9									
8	9									
9	9									
10	8									
11	8									
12	8									
1	8		SW	WSW					29.87	12 midnight it moderated a little so that we set fore and main Reefed top Sails and main Sails 4 AM Spliced main top Sails and unhooked it, terrific squalls from the northward 8 9 AM set whole top Sails and top Gallant Sails Log ends squally with fresh breeze 8 days out
2	8									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8		W/S	WSW						
9	7									
10	7									
11	7		West	W/S						
12	7								30.00	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 84° W	111	101	24	43-28	43-37	2° W	62	19-59	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		West	W/S					30.00	Friday 16 day of March 1883 This day comes in with clear weather and heavy breeze at 1 PM it began to moderate so at 5 PM we hoisted every thing set Middle and lower part partly cloudy with moderate & variable winds 1 1/2 AM took a heavy squall from the northward furled every thing but lower top Sails main Sails fore Sails and the two jibs Log ends clear with heavy breeze 8 days out
2	8									
3	8									
4	8									
5	8									
6	8									
7	7									
8	7									
9	5									
10	5									
11	4									
12	4									
1	4								29.80	1 1/2 AM took a heavy squall from the northward furled every thing but lower top Sails main Sails fore Sails and the two jibs Log ends clear with heavy breeze 8 days out
2	6									
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 84° W	174	82	153	42-00	42-10	2° W	200	28-28	

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	7		West	North					29.82	Sat 17 day of March 1883 This day comes in with squally weather and heavy breeze ship, laboring heavily 12 midnight it moderated a little so that we set fore and main Reefed top Sails and main Sails 4 AM Spliced main top Sails and unhooked it, terrific squalls from the northward 8 9 AM set whole top Sails and top Gallant Sails Log ends squally with fresh breeze 8 days out
2	7									
3	7									
4	7									
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	11								30.00	4 AM Spliced main top Sails and unhooked it, terrific squalls from the northward 8 9 AM set whole top Sails and top Gallant Sails Log ends squally with fresh breeze 8 days out
2	11									
3	13									
4	13									
5	13									
6	10									
7	7		W/S	NE						
8	8									
9	8									
10	10									
11	10									
12	10								30.18	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 84° W	212	102	182	40-12	40-11	2° W	238	32-21	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		W/S	NE					30.18	Sunday 18 day of March 1883 This day comes in clear with fresh breeze and a heavy sea from the northward 2 PM set Reels Sprakes and Cross Jack Middle and lower part clear and moderate All Sails set 6 AM made three and cross beams about 1 PM Pumps attended to Log ends as above 10 days out
2	10									
3	11									
4	11									
5	11									
6	11									
7	10									
8	10		W/S	"					30.00	
9	10									
10	10									
11	8									
12	8									
1	7		W/S							1 1/2 AM took a heavy squall from the northward furled every thing but lower top Sails main Sails fore Sails and the two jibs Log ends clear with heavy breeze 8 days out
2	7									
3	7									
4	7									
5	7									
6	6									
7	5		W/S							
8	5									
9	4									
10	4									
11	4									
12	4								30.31	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 5 1/2 N	182	40	129	39-31	39-24	2° W	231	31-12	

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		W 1/2 V	North					30.31	Monday 1 st day of March 1887
2	3									
3	3									
4	0									
5	4		South	W 1/2 S						This day comes in clear and fresh
6	4									
7	4									All sail set
8	4									
9	3									
10	3									12 midnight Packed Ship. At 1 PM got a fresh breeze from the W 1/2 S
11	8									
12	8									
1	8		W 1/2 N	West						6 AM fresh light sail
2	8									
3	8									8 AM Packed Ship. At 1 PM
4	8									Southward
5	8									Through the last part of the day we have had all hands trimming cargo over the starboard
6	8								30.25	
7	8									
8	8		South 1/2 W	W 1/2 S						
9	8									
10	8									Day ends clear with fresh breeze fore and mizzen reefed
11	8									
12	8									Collected sail fresh

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
South 1/2 W.	24	21	11	39-10	none	26° W	15'	31-27	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 V	W 1/2 S					30.25	Tuesday 2 nd day of March 1887
2	8									
3	7									
4	7									This day comes in with clear weather and fresh breeze
5	7									
6	7									
7	8									
8	8		W	S 1/2 W					30.15	3 PM fresh main top. Collected sail
9	7									8 PM the foreland of Ireland bore west 4 miles
10	7									
11	6									12 midnight Squally with fresh breeze. Reefed fore and mizzen top sails main sail and fished cross peak
12	6								30.05	
1	5									
2	5									
3	7		W 1/2 S	E 1/2 E						2 AM mist collected A 10 E 1/2 W ship. A 10 West
4	8									
5	9									
6	9									
7	10									Day ends with partly cloudy weather and fresh breeze all sail set but the spanker and upper peaks
8	11									
9	11									
10	11									
11	11								30.28	
12	11									12 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 S	158	17	157	38-58	38-43	26° W	200	34-47	

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	11		West	E 1/2 E					30.28	Wed 2 nd day of March 1887
2	11									
3	11									
4	11									This day comes in with partly cloudy weather and fresh breeze
5	11									
6	11									
7	11									
8	11								30.35	All sail set that will clear
9	11									
10	10									
11	10									Mist and latter part the same as the first
12	10									
1	10									
2	8									
3	8									
4	8									
5	8									Men employed in cleaning ship
6	8									
7	8									
8	8									Day ends as above
9	8									
10	8									Pumps attended to
11	8									
12	8								30.30	13 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 W 1/2 N	280	120	197	36-43	36-35	26° W	247	39-54	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	7		West	East					30.30	Thurs 2 nd day of March 1887
2	7									
3	7									
4	7									This day comes in with partly cloudy weather and fresh breeze
5	7									
6	7									
7	7									All sail set that will clear
8	7								30.24	
9	8									
10	8									
11	8									Mist and latter part the same as the first
12	8									
1	8									
2	8									
3	7									
4	7								30.12	Crew employed in cleaning ship
5	7									Pumps attended to
6	8									
7	8									
8	9									Day ends clear with fresh breeze
9	9									
10	10									
11	10								30.05	14 days out
12	10									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	183	81	131	35-32	35-44	26° W	212	41-26	

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	9		West	by S					30.05	Friday 23 day of March 1880
2	9									
3	9									
4	9									
5	8									This day comes in with partly cloudy weather and fresh breeze
6	8									
7	8									
8	8		"	East					"	All sail set that will draw
9	8									
10	8									
11	8									
12	8									Mistral part Shewery
1	8									
2	8									
3	6									Pumps commenced to
4	6		"	"					"	
5	6									
6	6									Day ends clear and moderate
7	6									
8	6									
9	6									
10	6									15 days out
11	6									
12	6		"	"					30.10	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W S W	126	69	163	34-25	34-38	22° W	800	51-4-46	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	9		W S W	by E						Sat 24 day of March 1880
2	9									
3	9									
4	9									This day comes in with clear weather and moderate breeze
5	8									
6	8									12 midnight set fore and aft sails
7	6									Mistral and latter part cloudy with some rain
8	6		W S W	by E						5 AM first light sails
9	6									Pop. bollant sails and cross peak
10	6									
11	9									
12	10									
1	11									
2	11									
3	11									
4	11		W S W	South						Day ends clear and moderate
5	11									All sail set
6	11		West							
7	10									
8	10									16 days out
9	8									
10	8									
11	8		W S W	West						
12	8									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W S W	190	6	190	34-18	34-31	22° W	230	48-36	

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W S W	W S W					29.96	Sunday 25 day of March 1880
2	8									
3	6									This day comes in clear with fresh breeze
4	6									
5	6		SSW	West						All sail set
6	6									
7	3									"
8	3									4 PM Packed Ship. A the SW
9	3									9 PM Packed A the W
10	8		W S W	SW						
11	4									Mistral part the same as the first
12	6									
1	7									6 AM first light sails
2	7									
3	9									
4	9								29.85	The last part of the day was squally with fresh breeze first
5	8		W S W	SW S						Pop. bollant sails cross peak
6	8									
7	8								29.75	and Reefed Pop sails
8	7									
9	8		W S W	W S W						
10	8									Day ends as above
11	6									Pumps commenced to
12	4		North	W S W					29.65	17 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W S W	113	42	102	35-01	None	19° W	127	50-43	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	9		North	W S W		2 Points			29.60	Monday 26 March 1880
2	4									
3	6									
4	5		SSW	West						This day comes in with squally weather and heavy breeze
5	5									Reefed Pop. sails and main sail
6	5								29.53	set
7	4									
8	4									9 PM more ship. A the SW
9	4									
10	4									11 PM first light Pop. sail and 1st
11	5								29.65	Mistral and latter part clear with heavy squalls from the westward
12	6		"	"		"				
1	6									
2	6									
3	6									11 AM first light fore Pop sail and bent new fore lower Pop sail
4	6									
5	6									
6	6		"	"		"				
7	6									Day ends clear with heavy breeze still blowing
8	6									Pumps commenced to
9	6									
10	6									
11	6									
12	6		"	"		"				18 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SSW	101	101	None	33-90	33-18	19° W	None	50-48	

Journal from Liverpool Eng towards New York

[illegible]

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
					98-248				50.02

[illegible]

Course,	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
$\frac{1}{2} N^{\frac{9}{4}} W$	53	51	19	88.53	88.47	18" W	89	80.08	

Journal from Liverpool Eng towards New York

[illegible]

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon by Ob
<i>N 68° W</i>	<i>120</i>	<i>51</i>	<i>106</i>	<i>88.59</i>	<i>89.42</i>	<i>18° W</i>	<i>128</i>	<i>59.04</i>	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6.		SW by W	SW by W				29.90		Friday 30 ^{day of} March
2	5.									
3	6									This day comes in with
4	6									partly clear and squally
5	6									weather and heavy bars
6	6									
7	6									
8	6		WSW	W				30.10		3 PM set Cross peak beginning
9	7									fit and Reef with main top
10	7									
11	7									8 PM more moderate and R
12	7									and set main top ballast
1	8		SW by S	SW by W						
2	8									misty and bottles put etc
3	8							30.14		with fresh bars
4	8									Pumps alternated
5	8									
6	8									Day ends clear and moderate
7	8									well set
8	8									
9	8		SW by S	W by N						
10	8									22 up and
11	8									
12	8							29.80		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW 1/2 E	171	149	95	91-80	91-11	18° W	111	52 018	

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		S by N	west					30.81	Sat 31 day of March This day comes in with clear weather and moderate breeze All sail set 5 PM Packed ship to the Northward Middle and latter part the same as the first Pumps attended to Day ends as above 23 days out
2	4									
3	4									
4	4									
5	3		N by N	N by N						
6	3									
7	3									
8	2		N by E	N by N						
9	2									
10	2									
11	2								30.85	
12	7									
1	2									Sun 1 day of April Middle and latter part the same as the first Pumps attended to Day ends as above 23 days out
2	2									
3	2									
4	3									
5	4		N by N	west						
6	4									
7	4									
8	4									
9	4									
10	4									
11	4									
12	4								30.80	

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			N by N	S by N					30.00	Monday 2 day of April 188 This day comes in with partly cloudy weather and fresh breeze 1 PM fired Pop. Collett's Sails 3 PM Reefed Pop. Sails main Sail and fired Cross Jack Wind increasing rapidly and a heavy sea running from the NW 7 PM Reefed fore sail 11 PM more moderate & more ship to the westward 12 midnight moderate set every thing but light sail Pumps attended to Day ends with partly cloudy weather and moderate breeze 25 days out
2										
3										
4										
5										
6										
7										
8									30.80	
9			N by N	west						
10										
11										
12									30.85	
1										Tue 3 day of April Middle and latter part the same as the first Pumps attended to Day ends with partly cloudy weather and moderate breeze 25 days out
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12									30.12	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N by N	240	98	11	31-58	31-58 2	12° W	11	54-40	53-48

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		N by N	N by N					30.80	Sun 1 day of April This day comes in with fresh breeze blowing from the westward 2 PM fired Sky Sail and main Rial Sails Middle and latter part partly cloudy with fresh breeze 4 PM fired light Sails and Mizzen Sail Day ends with partly cloudy weather and fresh breeze fore and main Rial fired 24 days out
2	8									
3	8									
4	8									
5	8									
6	8		N by N	S by N						
7	8									
8	8									
9	8									
10	8									
11	7									
12	7									
1	7									Mon 2 day of April Middle and latter part partly cloudy with fresh breeze 4 PM fired light Sails and Mizzen Sail Day ends with partly cloudy weather and fresh breeze fore and main Rial fired 24 days out
2	7									
3	7									
4	7									
5	8									
6	8								30.10	
7	8									
8	7									
9	7									
10	8		N by N							
11	8									
12	8								30.00	

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N by N	183	114	140	39-54	39-44	13° W	178	57-04	56-00

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N by N	115	11	122	33-43	33-35 1	13° W	148	58-32	58-00

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		N by N	N by N					30.10	Tue 3 day of April This day comes in with partly cloudy weather and moderate breeze All sail set 7 PM wind hauled to the SE Middle and latter part partly cloudy with moderate breeze 10 AM fired light Sails and Mizzen Pop. Collett's Sail Day ends Baring with fresh breeze 26 days out
2	5									
3	4									
4	3									
5	3									
6	3									
7	1									
8	3									
9	6									
10	6								30.15	
11	4									
12	4									
1	5									Wed 4 day of April Middle and latter part partly cloudy with moderate breeze 10 AM fired light Sails and Mizzen Pop. Collett's Sail Day ends Baring with fresh breeze 26 days out
2	5									
3	6									
4	3								30.08	
5	7									
6	7									
7	7									
8	3									
9	11									
10	11									
11	11								30.80	
12	11									

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N by N	148	218	141	34-35	34-00	16° W	171	58-33	58-00

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		Wh/2 n	SW/2 n					29.80	Wed 4 day of April 1881
2	10									
3	10									
4	6		Wre	W					29.78	This day comes in with
5	6									being weather and fresh
6	6									to
7	6									
8	5								29.80	2 PM had a heavy Squall
9	4									from the westward splitting
10	4									Sails and Co. fished top
11	4									Sails main sail cross jack
12	4		WSE	"					29.95	Wind continues a breeze
1	4									a heavy fog and halting
2	4									A the 1 PM
3	4									7 PM fished top sail
4	4									
5	6									12 Midnight was ship. A the
6	6									SW and set Reefed top sail
7	6									low sail. Sp. anker and fished
8	7								30.10	weather Squally
9	7									Day ends clear with fresh
10	7									Sails
11	7									Pumpkins attended A
12	7								30.15	22. Day out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wh/2 n	51	09	50	34=18	34=01	15° W	60	63=33	63=02

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		SW/2 S	W/2 n					30.15	Thurs 5 day of April 1881
2	8									
3	8									
4	10									This day comes in with
5	10									clear weather and heavy
6	10									Sails
7	8									
8	8								30.20	1 PM Reefs out of top sail
9	8									and main sail and set
10	8		W/2 n	W/2 n						2 PM fished
11	7									6 PM set top Gallant sails
12	7									and cross jack
1	7									
2	7									10 PM Reefs ship. A the
3	7									top and at 4 AM Reefs
4	7		West	W/2 n						to the westward
5	5									
6	5									Pumpkins attended A
7	6									
8	6									Day ends clear and moderate
9	6									and sail set
10	5		W/2 n	W/2 n						28 days out
11	5									
12	5								30.23	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW/2 S	84	63	60	38=15	33=15	14° W	63	64=31	64=29

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		W/2 n	W					30.27	Friday 6 day of April 1881
2	4									
3	8									This day comes in with
4	1									clear weather and moderate
5	1									Sails
6	0									all sail set
7	0									
8	0									8 PM Calm
9	0									
10	0		W/2 n	SW						11 PM got a light breeze
11	2									from the SW
12	3									
1	5									8 AM fished light sails
2	6									Wind increasing and halting
3	6									more western
4	9									
5	10								30.18	11 fished top Gallant sails
6	10									
7	10									
8	11									Day ends clear with fresh
9	11		W/2 n	SW/2 n						Sails
10	12									
11	12									
12	12								30.16	29. Day out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/2 n	130	75	103	34=30	34=25	11	133	66=36	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	12		W/2 n	W/2 S					30.14	Sat 7 day of April 1881
2	12									
3	12									This day comes in with clear
4	11									weather and fresh sails
5	11									
6	11									4 PM Reefed main sail and
7	11									fished cross jack
8	11									
9	10									Mable and latter part clear
10	10									and more moderate
11	10									4 AM set top Gallant sails
12	10									and sails
1	7									
2	7									10 AM fished sails and
3	7									higger top Gallant sail
4	7									
5	10									
6	10									Day ends being with fresh
7	10									Sails
8	10									
9	10									
10	10									30 days out
11	10								29.97	
12	11									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/2 n	240	199	193	37=43	30=00	9° W	169	68=19	None

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W	SW					29.92	Sunday 8 day of April 1881 This day comes in with Rainy weather and fresh breeze 2 PM wind hauled A to NW in a Squall filled Top Gullent Sails Cross Jack and Reefed Top Sails 11 PM more moderate Packed Ship A the westward and set Top Sails and Top Gullent Sails 8 AM steady all sail set Day ends clear with fresh breeze 31 days out
2	8									
3	8									
4	8		W	SW						
5	8									
6	8									
7	8									
8	8									
9	5		NE	W						
10	5									
11	5		W	SW						
12	4								29.85	
1	7									Monday 9 day of April 1881 Day ends clear with fresh breeze 31 days out
2	7									
3	7									
4	7									
5	7									
6	7									
7	7									
8	7									
9	7									
10	7									
11	10									
12	10								30.03	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/4 W	144	2 1/2	135	38-58	38-29	2° W	170	22-09	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1										Tuesday 10 day of April 1881 This day comes in with clear weather and fresh breeze 10 PM Packed Ship A the SE very moderate 2 AM Packed A the westward Pumps attended A Day ends clear and moderate 32 days out We find quite a strong current setting N. the Porters
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
									38-32
									23-00

Journal from Liverpool Eng towards New York

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1										Wednesday 11 day of April 1881 This day comes in with clear weather and moderate breeze 10 1/2 PM made Bernageet Light bearing N 1/2 W 22 miles Midnight and latter part clear 6 AM the High-lands was in sight took a Top Knot and Pilot and Pilot and at 8 AM passed in by Sand Hook un-bent Sails and Co 10 AM got a visit from the Doctor and at 10 AM came A Anchored off the Battery with Port Anchor in 8 fathoms water shall commence Harbor Log from A day
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1										Thursday 12 day of April 1881 This day comes in with Rainy weather and moderate breeze from the NE
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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Journal from New York towards San Francisco Cal

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1										Set 2 nd day of June This day came in clear with monoceros sails from the SE at 10 AM crew came on board un-moored ship. and at 12 M the Pig Boat took hold and took us in A the stream 2 PM we came to anchor between the Bottery and Staten Island. Crew employed in securing and getting every thing ready for sea. Ship blowing 24-8 Aft and 24-6 forward
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1										Single 3 day of June 188 This day came in clear with indications of rain and SE crew ordered and every thing quiet
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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Journal from New York towards San Francisco Cal

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1										Monch 4 day of June 188 This day comes in clear with monoceros sails from the SE crew employed in various duties. I shall now begin sea log calling this march the 5 th of June at 12 M the Captain and Pilot came on board we then have up another and with a Pig Boat proceeded down the Bay and at 4 1/2 PM passed out by Sandy Hook and discharged Pilot we then made Port and let go from the Pig Boat middle and latter part happy with fresh S'w'ly winds crew employed in securing things day ends as above Pumps attended to
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10									West 6 day of June 188 This day comes in clear with Monoceros sails from the S'w'ly All sail set middle and latter part has the same as the first Pumps carefully attended to day ends as above 2 days out
2	10									
3	10									
4	10									
5	10									
6	10									
7	10									
8	10									
9	10									
10	9									
11	9									
12	9									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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64 8 1/2 S 208 59 198 38-44 38-43 1 Rem'd in 259 66-40 66-40

Journal from New York towards San Francisco Cal

H K F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188 J
	Direction.	Force.	Direction.	Force.		Air.	Water.			
1	C		SE	2				30.55	Thurs 7 day of June	
2	C									
3	C									
4	C									
5	C									
6	C									
7	C									
8	C		WSW							
9	3									
10	3							30.80	All Sail set	
11	3									
12	8									
1	8		West						Mist and latter part the same as the first	
2	8									
3	3									
4	3									
5	3								Pumps attended to	
6	3								Ship making but very little water	
7	3									
8	3									
9	3								Day ends as above	
10	3									
11	3		SW						3 days out	
12	8									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/4 S	135	82	191	38-10	38-10 1/4	Wes. 102	68-53	68-48	68-48

H K F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188 J
	Direction.	Force.	Direction.	Force.		Air.	Water.			
1	8		SE	2				30.20	Friday 8 day of June	
2	8									
3	8									
4	3									
5	6									
6	6		SE	2					This day comes in with clear weather and moderate breeze	
7	6		WSW							
8	6								All Sail set	
9	5									
10	5								Mist and latter part with occasional Rain Squalls	
11	5									
12	5							30.15		
1	5								Pumps attended to	
2	6									
3	6								A number of vessels in sight bound to the Coastward	
4	6									
5	6									
6	6									
7	5								Day ends as clear and moderate	
8	5									
9	6		SE	2						
10	6									
11	3									
12	3								4 days out	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/4 S	140	81	194	37-49	37-49 1/2	16 deg	183	60-50	60-44

Journal from New York towards San Francisco Cal

H K F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188 J
	Direction.	Force.	Direction.	Force.		Air.	Water.			
1	8		SE	2				30.15	Sat 9 day of June	
2	8									
3	8									
4	8									
5	8									
6	8								This day comes in clear with moderate breeze from the Westward	
7	3									
8	3								All Sail set	
9	3									
10	3								Mist and latter part the same as the first	
11	3									
12	3									
1	3								Pumps attended to	
2	3									
3	3									
4	3									
5	3									
6	3									
7	3								Day ends clear and moderate	
8	3							30.13		
9	3									
10	3									
11	3								5 days out	
12	3									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/4 S	184	88	192	37-81	37-81 1/2	15 deg	841	56-48	56-48 1/2

H K F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	188 J
	Direction.	Force.	Direction.	Force.		Air.	Water.			
1	5		SE	2				30.20	Sunday 10 day of June	
2	5									
3	5									
4	5									
5	5								This day comes in with clear weather and moderate breeze	
6	5									
7	5									
8	5								All Sail set That will draw	
9	5									
10	5									
11	6									
12	6								Mist and latter part very pretty cloudy	
1	6									
2	6									
3	6									
4	6									
5	6								Pumps attended to	
6	6									
7	6									
8	6								Day ends clear and moderate	
9	4									
10	4									
11	4									
12	4								6 days out	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/4 S	186	12	195	37-09	37-08 1/2	12 deg	133	54-12	54-06 1/2

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		SE	W						Monday 11 th June 1888
2	5									
3	4									
4	4									
5	4									
6	4		SE	W						This day comes in clear and moderate
7	4									
8	5									
9	5		SE							All sail set that will
10	5									draw
11	5									
12	6									
1	6									Tuesday 12 th June 1888
2	6									
3	6									
4	6									
5	6									
6	6									Mistake part the same as the first
7	6									
8	7									
9	7									Pumps attended to
10	7									
11	8									Day ends Rainy and moderate
12	8									7 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	135	22	133	36-42	36-45-2	10° N	107	51-25	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		SE	W					30.10	Wednesday 13 th June 1888
2	6									
3	1									
4	1									
5	1									
6	1									This day comes in with Rainy weather and moderate
7	5									bores from the N
8	4									
9	4									All sail set
10	4									
11	5									Mistake part partly clear
12	5									
1	5									Thursday 14 th June 1888
2	5									
3	5									
4	5									
5	4									
6	4									Pumps attended to
7	4									
8	4									Day ends clear and moderate
9	4									
10	4									
11	5									8 days out
12	5								30.07	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	95	47	81	35-59	35-59	15° N	101	49-44	50-08

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		SE	W					30.02	Friday 15 th June 1888
2	6									
3	6									
4	5									
5	5									
6	5									This day comes in clear with moderate bores from the N
7	5									
8	5									
9	5									All sail set
10	5									
11	5									
12	5									
1	5									Saturday 16 th June 1888
2	5									
3	5									
4	5									
5	5									
6	5									Mistake and latter part the same as the first
7	5									
8	5									
9	5									Pumps attended to
10	5									
11	5									Day ends as above
12	5									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	137	60	112	34-58	35-03	17° N	137	42-37	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		SE	W					30.10	Sunday 17 th June 1888
2	5									
3	4									
4	4									
5	4									
6	5									This day comes in clear with moderate bores from the N
7	5									
8	5									All sail set
9	5									
10	5									
11	4									Mistake and latter part the same as the first
12	4									
1	5									Monday 18 th June 1888
2	5									
3	6									
4	6									
5	6									
6	6									Pumps attended to
7	8									
8	8									Day ends as above
9	7									
10	7								30.15	10 days out
11	8									
12	8									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	188	65	121	33-52	33-52	15° N	146	45-11	45-14

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS. Direction. Force.	LEEWAY.	THERMOMETER. Air. Water.	BAROMETER	REMARKS
1	7		SE 1/2 S	N 1/2 W				Friday 13 day of June 1883
2	7							
3	7							
4	7							This day comes in with clear weather and moderate breeze
5	7							All sail set
6	7							
7	7							
8	7							
9	7							
10	7							Mistral and latter part Squally
11	7			North				
12	7							
1	7							Pumps attended to
2	7							
3	7							
4	7							
5	7							Day ends clear and
6	7							of moderate
7	7							
8	7			N 1/2 W				
9	7							
10	7							11 days out
11	7							
12	7							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/2 E	200	118	160	31-56	31-27	19° W	187	48-08	48-09

H	K	F	COURSES.	WINDS. Direction. Force.	LEEWAY.	THERMOMETER. Air. Water.	BAROMETER	REMARKS
1	7		SE 1/2 E	N 1/2 W				Sat 14 day of June 1883
2	7							
3	7							
4	7			NE				This day comes in clear with moderate breeze blowing from the westward
5	7							All sail set
6	7							
7	7							
8	7			NE				
9	6							
10	6							Mistral and latter part moderate with occasional rain Squally
11	6			North				
12	6							
1	6							
2	6							Pumps attended to
3	6							
4	5							
5	5							Day ends clear and
6	5			WNW				Moderate
7	5							
8	5							
9	5							
10	5			N 1/2 W				12 days out
11	5							
12	5							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/2 E	147	130	60	29-48	29-40	20° W	90	40-48	40-54

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS. Direction. Force.	LEEWAY.	THERMOMETER. Air. Water.	BAROMETER	REMARKS
1	8		SE 1/2 E	N 1/2 W			30.05	Sun 17 day of June 1883
2	8							
3	7							
4	7							
5	7			N 1/2 W				This day comes in clear and moderate
6	7							
7	6							
8	6							All sail set
9	6			WNW				
10	6							
11	6							Mistral and latter part the same as the first
12	5		SE 1/2 E					
1	5							
2	5							
3	5							Pumps attended to
4	5			WNW			30.11	
5	5							
6	5							Day ends up clear
7	5							
8	5							
9	5							
10	5			N 1/2 S				13 days out
11	5							
12	5							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/2 E	139	122	65	29-41	29-42	20° W	94	39-42	39-50

H	K	F	COURSES.	WINDS. Direction. Force.	LEEWAY.	THERMOMETER. Air. Water.	BAROMETER	REMARKS
1	4		SE 1/2 E	N 1/2 S			30.11	Monday 18 day of June 1883
2	4							
3	4							
4	4							This day comes in clear and very moderate
5	4							
6	4							
7	4							All sail set
8	4							
9	1							
10	1							
11	1							Mistral and latter part the same as the first
12	1		SE 1/2 E	South				
1	1							
2	1							
3	1							
4	1						30.20	Pumps attended to
5	1							
6	1							
7	1							Day ends as above
8	1							
9	1		SE 1/2 E	SSW				
10	1							14 days out
11	1							
12	1						30.25	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/2 E	54	34	41	27-07	27-07	20° W	46	38-56	38-51

Journal from New York towards San Francisco

H K F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
	Direction.	Force.	Direction.	Force.		Air.	Water.		
1	SE	2	SE	2				30.85	Presely 17 day of June 1883
2									
3									
4									This day comes in clear and very moderate
5									
6									
7	SE	2	SE	2					All Surt set
8									
9									
10									7 PM Packed ship to the S
11									
12									Mist and better part the same as the first
1									
2									
3									
4									
5									Pumps attended to
6									
7	SE	2	SE	2					Packed a number of barrels barrel North
8									
9									
10									Log ended as above
11									
12								30.80	15 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	58	58	05	26-07	26-10	190 W	07	88-48	88-49

H K F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
	Direction.	Force.	Direction.	Force.		Air.	Water.		
1	SE	2	SE	2				30.80	Week 2 day of June 1883
2									
3									
4									This day comes in with clear weather and moderate breeze
5									
6									
7									All Surt set
8									
9									
10									Mist and better part clear with the exception of passing Rain Squalls
11									
12									
1									
2									
3									Pumps attended to
4	SE	2	SE	2					
5									
6									
7								30.74	Log ends clear with fresh breeze
8									
9									
10									16 days out
11									
12									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	198	192	48	22-57	22-58	180 W	54	57-55	57-58

Journal from New York towards San Francisco

H K F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
	Direction.	Force.	Direction.	Force.		Air.	Water.		
1	SE	2	SE	2				30.84	Presely 21 day of June 1883
2									
3									
4	SE	2	SE	2					This day comes in clear with fresh breeze from the SE
5									
6									
7									
8									All Surt set
9									
10									
11									
12									Mist and better part the same as the first
1									
2									
3									
4									Pumps carefully attended to
5									
6									
7									Log ends clear with fresh breeze still blowing
8									
9									
10	SE	2	SE	2					
11									17 days out
12									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	150	140	63	19-13	19-16	160 W	31	86-42	86-43

H K F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
	Direction.	Force.	Direction.	Force.		Air.	Water.		
1	SE	2	SE	2				30.81	Presely 22 day of June 1883
2									
3									
4	SE	2	SE	2					This day comes in clear with fresh breeze blowing from the Eastward
5									
6									
7									
8									
9									All Surt set
10									
11									
12									Mist and better part the same as the first
1									
2									
3									
4									Pumps attended to
5									Ship making but little head
6									
7									
8									
9									Log ends as above
10									
11								30.75	18 days out
12									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	222	216	63	15-42	15-42	150 W	55	85-51	85-53

Journal from New York towards San Francisco

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		SE	East					30.15	Set 23 day of June
2	8									
3	8									
4	8									This day comes in clear with fresh breeze from the Eastward
5	8									
6	8									
7	8									
8	8									
9	8		SE	Ely						All Sails set
10	8									
11	8									Mistral and latter part fresh breeze with light breeze in
12	8									
1	8									
2	8									
3	8									
4	8									Pumps attended to
5	8								30.12	
6	8									Day ends clear and moderate
7	8									7 AM Spring main Sails
8	8									Yard sent it on board and fixed it
9	8									
10	8									
11	8									
12	8								30.10	12 days out

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	200	18.6	85	12.86	12.88	10° N	70	85.11	85.10

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		SE	Ely					30.15	Sunday 24 June
2	8									
3	8									
4	8									This day comes in with clear weather and moderate breeze
5	8									
6	8									
7	8									
8	8									All Sails set
9	8									
10	8									
11	8									Mistral and latter part fresh breeze with light breeze
12	8									
1	8									
2	8									
3	8									Pumps attended to and every thing quiet and orderly
4	8									
5	8		SE	Ely						Day ends clear and moderate
6	8									
7	8									
8	8									
9	8									
10	8									
11	8								30.12	20 days out
12	8									

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	180	12.2	68	2.84	2.82	15° N	53	84.78	84.79

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		SE	East						Mon 25 June
2	8									
3	8									
4	8		SE	Ely						This day comes in clear with moderate breeze from the Eastward
5	8									
6	8									
7	8									
8	8									All Sails set
9	8									
10	8									
11	8									Mistral and latter part fresh breeze with light breeze in
12	8									
1	8		SE	Ely						
2	8									
3	8									
4	8									Pumps attended to
5	8		SE	East						
6	8									Day ends Rainy and moderate
7	8									
8	8									
9	8									
10	8									
11	8		SE	Ely						
12	8									21 days out

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	140	12.3	66	2.31	none	14° W	68	83.10	none

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		SE	Ely						Tues 26 June
2	8									
3	8									
4	8									This day comes in with Rainy weather and moderate breeze from the SE
5	8									
6	8									All Sails set
7	8									
8	8									
9	8									
10	8									Mistral and latter part clear with light breeze
11	8									
12	8		SE	Ely						Pumps attended to
1	8									
2	8									11 AM Rained to the SE
3	8									Day ends clear and very moderate
4	8									
5	8		SE	Ely						
6	8									
7	8									
8	8									
9	8									
10	8									
11	8		SE	Ely						
12	8									22 days out

Course	Distance	Diff. of Lat.	Departure	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	88	8.3	7	6.08	6.06	15° N	10	83.00	83.00

Journal from New York towards San Francisco

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
		Direction.	Force.		Air.	Water.		
1							30.13	Wed 27 day of June 1883
2								
3								
4								This day comes in clear
5								with light air from
6								the SSW
7								
8								
9								All sail set
10								
11								
12								Mistake and latter part
1								Squally with light
2								Buffeting winds
3								
4								
5								Pumps attended to
6								
7								
8								Day ends with partly
9							30.14	cloudy weather
10								
11								23 days out
12								

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
East	58	none	5'0	6-08	6-08	15° N	5'8	58-08	58-00

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
		Direction.	Force.		Air.	Water.		
1	1	SE	SE				30.10	Thurs 28 day of June 1883
2	1							
3	3							
4	4	SW by W						This day comes in clear
5	4							with moderate breeze
6	4							from the Southern
7	4							
8	4							
9	4							3 PM. Packed A. D. S. W.
10	4							All sail set
11	4	SE by S	SE by S					
12	4							Mistake and latter
1	4							part the same as
2	5							the first
3	5							
4	5							Pumps attended to
5	5							
6	5							
7	5							
8	4							Day ends as above
9	4	SSW	SE					
10	4							
11	4							24 days out
12	5						30.108	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE by W 1/2 W	104	99	28	4-48	4-45	15° N	31	33-33	33-31

Journal from New York towards San Francisco

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
		Direction.	Force.		Air.	Water.		
1	1	SE by S	SE by S				30.09	Friday 29 day of June 1883
2	1							
3	1							
4	1							
5	1							This day comes in clear
6	1							with moderate breeze from
7	1							the SE
8	1							
9	1	SSW by W	SE					All sail set
10	1							
11	1							
12	1							Mistake and latter
1	1							part the same as the
2	1							first
3	6							
4	6							
5	6							Pumps attended to
6	6							
7	7							
8	7							Day ends clear with
9	7	SW by S	SE by S					fresh breeze
10	8							
11	8						30.11	25 days out
12	8							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE by W 1/2 W	160	160	48	143	152 1/2	W	48	33-20	33-28

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
		Direction.	Force.		Air.	Water.		
1	8	SSW	SE				30.11	Sat 30 day of June 1883
2	8							
3	8							
4	8							This day comes in clear
5	8							with fresh breeze from
6	8							the SE
7	8							
8	8							All sail set
9	8							
10	8							
11	8							
12	8	SE by W	SE by E					Mistake and latter
1	8							part the same as the
2	8							first
3	8							
4	8							Pumps attended to
5	8							
6	8							
7	7							Day ends as above
8	7							
9	7							
10	7							
11	6							26 days out
12	6						30.11	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SSW 1/2 W	188	165	78	56 1/2	56 5	15° W	78	34-38	34-40

Journal from

towards

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of
				Direction.	Force.		Air.	Water.			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of
				Direction.	Force.		Air.	Water.			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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Journal from

towards

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of
				Direction.	Force.		Air.	Water.			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of
				Direction.	Force.		Air.	Water.			
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		S 1/2 W	se					30.10	Sum 1 st day of July 188
2	6									
3	6									
4	6									
5	6									This day comes in clear
6	6									with moderate breeze from
7	5									the SE
8	5									
9	5		S 1/2 W	se						All sail set
10	5									
11	5									
12	5									
1	5									Visible and better part
2	5									clear with a little
3	5									more wind
4	5									
5	5									
6	5									Pumps attended to
7	5									
8	5									
9	5		se	se						Log ends with partly
10	5									clear weather and
11	5		S 1/2 W	se						fresh breeze
12	5								30.15	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 1/2 W	141	138	25	3=14	3=128	11° W	25	35=03	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			S 1/2 S	se					30.15	Mon 2 nd day of June 188
2										
3										
4										This day comes in with
5			S 1/2 W	se						clear weather and fresh
6										breeze from the SE
7										
8										
9										5 PM Packed Ship to
10			S 1/2 W							the Eastward
11										
12										
1										Visible and better part
2										the same as the first
3										
4										Pumps attended to
5										
6										
7										Log ends above
8										
9			S 1/2 W							
10										
11										
12									30.08	24 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 1/2 W	118	38	111	2=351	2=39	11° W	111	33=40	33=39

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		S 1/2 W	se					30.08	Tuesday 3 rd day of July 1889
2	3									
3	3									
4	3									This day comes in clear
5	3									with fresh breeze from
6	3									the SE
7	3		S 1/2 W	se						
8	3									Light sails fired
9	3									1 PM Packed Ship to
10	3									the S W
11	3									
12	3		S W							6 PM Packed Ship to the East
1	3									ward
2	3									Visible and better part
3	3									was clear with the
4	3									exception of passing
5	3									Rom. Signals
6	3									12 midnight Packed Ship to
7	3									the S W
8	3									Log ends clear and
9	3									ward all sail set
10	3									Pumps attended to
11	3		S 1/2 W							
12	3								30.15	29 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 1/2 W	94	28	50	3=53	3=548	11° W	58	34=02	33=51

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		S 1/2 W	se					30.14	Wed 4 th day of July 1889
2	3									
3	3									This day comes in clear
4	3		S W							with moderate breeze
5	3									from the SE
6	3									
7	3									All sail set
8	3									
9	3		S 1/2 S	se						4 PM Packed Ship to
10	3									the S W
11	3									
12	3									
1	6		S 1/2 W	se						Visible and better part
2	6									Squally
3	6									12 midnight Packed Ship to
4	6									the Eastward
5	6									
6	6									Pumps attended to
7	6									
8	6									Log ends clear
9	6									
10	6									
11	6									
12	6								30.10	30 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 1/2 S	28	4	25	4=00	3=53	11° W	26	33=06	33=18

Journal from New York towards San Francisco

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		SW	SE					30.10	1 st day of June
2	3									
3	3									
4	3									
5	6									This day comes in with
6	6									other weather and
7	3									Moderate breeze
8	3									
9	6		"	"						All sail set
10	6									
11	6									
12	6									Mist and latter part
1	6									the same as the first
2	6									
3	6									
4	6									Pumps attended to
5	6									
6	6		SE	SE						
7	6									Log ends as above
8	6									
9	6									
10	6									
11	6									
12	6		"	"					30.14	31 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
vege	143	88	123	2-22	2-23	11° W	124	31-03	31-03

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		SE	SE					30.14	1 st day of July
2	3									
3	3									
4	3									This day comes in clear
5	6									with moderate breeze
6	6									from the SE
7	6		SW	SE					30.08	All sail set
8	6									
9	6									6 PM Docked Ship A
10	6									the SW
11	3									
12	3									Mist and latter part
1	3									the same as the first
2	3									
3	6		East	"						4 AM Docked Ship A the
4	6									last wind
5	3									7 AM fir leaf sails
6	3									
7	3									Pumps attended to
8	3								30.11	
9	3									Log ends with fresh breeze
10	3									
11	3		SE	SE						
12	3									32 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 2/4 E	51	15	51	2-42	2-41	12° W	51	30-12	30-08

Journal from New York towards San Francisco

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		SW 1/2 S	SE 1/2 S					30.08	1 st day of July
2	3									
3	3									
4	3									This day comes in clear
5	3									with fresh breeze from
6	3		SW 1/2 S	"						the SE
7	3									
8	3									Light sails fired
9	3									
10	3									
11	3									Mist and latter part
12	3									the same as the first
1	3		"	"						
2	3									Pumps attended to
3	3									
4	3									
5	3									Log ends as above
6	3									
7	3									
8	3									
9	3									
10	3									
11	3									33 days out
12	3		"	"					30.12	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW 1/2 W	183	163	83	5-25	5-20	11° W	30	34-52	32-00

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		SW 1/2 S	SE 1/2 S					30.12	1 st day of July
2	3									
3	3									This day comes in clear
4	3									with fresh breeze blowing
5	3									from the SE
6	3									
7	3									
8	3									Mist and latter part
9	3									the same as the first
10	3									
11	3		SW	SE						4 AM Docked Ship A the
12	3									last wind
1	3									the 4 AM Docked Ship A the SW
2	3									again
3	3		SE 1/2 S	SE 1/2 S						Pumps attended to
4	3									
5	3									Log ends clear and moderate
6	3									
7	3		SW 1/2 S							
8	3									
9	3									
10	3									
11	3									34 days out
12	3		"	"					30.13	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW 1/4 S	130	120	83	2-25	2-18	11° W	22	33-24	33-20

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		SWW S	SE S					30.17	Mon 7 day of July
2	6									
3	6									
4	6									
5	6									This day comes in with clear weather and moderate breeze
6	6									
7	6									
8	6									All Sails set
9	6									
10	6									
11	6									
12	6		SSW SE							Mistake and latter part the same as the first
1	6									
2	5									
3	5									
4	5									
5	5									8 AM fired light
6	5									Sails
7	6									Pumps attended to
8	6									
9	6									Log ends with fog
10	5									clear weather and fresh breeze
11	5									
12	5								30.23	35 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SSW 1/4 W	194	122	56	3-27	3-25.8	11° W	56	34-20	34-17

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	7		SWW S	SE S					30.23	Tuesday 10 day of July
2	7									
3	7									
4	7									
5	8									This day comes in with clear weather and fresh breeze
6	8									
7	8									
8	8									Light Sails fired
9	8									
10	8									
11	7									
12	7									Mistake and latter part moderate
1	7		SSW SE							
2	6									
3	6									7 AM fired light
4	6									Sails fresh breeze and squalls
5	5									
6	6									Pumps attended to
7	7									
8	8		SSW SE							Log ends as above
9	8									
10	7									
11	7									
12	7								30.21	36 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SSW 1/4 W	170	108	48	12-07	12-10	11° W	56	33-12	33-19

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		SSW SE						30.23	Wed 11 day of July
2	8									
3	8									
4	8									This day comes in with fresh breeze and squally weather
5	8									
6	8									
7	8									Light Sails fired
8	8									
9	8									
10	8									8 PM set light Sails
11	8									Mistake and latter part clear and moderate
12	8									
1	8									
2	8									
3	8									
4	8									Pumps attended to
5	8									
6	7		SSW SE							
7	7									
8	7									Log ends as above
9	6									
10	6		SSW SE							
11	6									
12	6								30.26	37 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SSW 1/4 W	188	180	64	15-07	15-15	11° W	66	36-18	36-15

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		SSW SE	SE S					30.26	Thurs 12 day of July
2	5									
3	5									
4	5									This day comes in clear with moderate breeze from the SE
5	5									
6	5									
7	5									All Sails set
8	5		SW SE							
9	5									
10	5									Mistake and latter part the same as the first
11	6									
12	6									4 AM Packed Ship to the Eastward
1	6									
2	6									
3	5									7 AM Packed to the SW
4	5		East							
5	6									Log ends above
6	7									
7	7									
8	7		SSW SE							
9	7									
10	7									
11	7									38 days out
12	7								30.26	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SSW 1/4 W	104	97	36	16-26	16-26	10° W	38	36-52	36-58

Journal from New York towards San Francisco

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		SE						30.36	Friday 15 day of July
2	5									
3	5									
4	5									
5	5									This day comes in with clear weather and moderate breeze
6	5									
7	5									
8	5									All sail set
9	5									
10	5									
11	5									Mist and latter part squally with fresh breeze light sail fished
12	5									
1	6									
2	6									
3	6									
4	6									Pumps attended to
5	6		SE							
6	6									
7	6									Log ends clear and moderate
8	6									
9	6									
10	6									
11	6									
12	5								30.30	39 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	1430	143	44	19-08	19-13	10° W	48	39-44	39-50

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		SE						30.28	Sat 14 day of July
2	6									
3	6									
4	6									This day comes in clear with moderate breeze blowing from the SE
5	6									
6	6									
7	6									
8	6									All sail set
9	6									
10	6									Mist and latter part the same as the first
11	6									
12	6									Pumps attended to
1	6									
2	6		SE							
3	6									
4	6									
5	6									Log ends as above
6	6									
7	6									
8	6									
9	6									
10	5									
11	5									
12	5								30.30	40 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	145	181	62	19-13	19-23	9° W	65	39-49	39-59

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		SE						30.30	Sunday 15 day of July
2	4									
3	4									
4	4									This day comes in with clear weather and light air from the Eastward
5	4									
6	4									
7	4		SE							
8	4									All sail set
9	4									
10	4									
11	4									
12	4									
1	4									
2	4									Mist and latter part calm with occasional rain squalls
3	4		SE							
4	4									
5	4									Pumps attended to
6	4									
7	4		SE							
8	4									
9	4									Log ends clear with moderate breeze from the SE
10	4									
11	4									
12	4									41 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	60	46	38	22-08	22-08	10° W	40	39-28	39-28

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		SE						30.30	Monday 16 day of July
2	5									
3	5									
4	5									This day comes in clear and very moderate
5	5									
6	5									
7	5									
8	5									All sail set
9	5									
10	5		SE							
11	5									Mist and latter part the same as the first
12	5									
1	5									
2	5									
3	5									
4	5									Pumps attended to
5	5									
6	5									
7	5									
8	5									
9	5									Log ends as above
10	5									
11	5									
12	5									42 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	36	36	20	22-45	22-45	10° W	20	39-28	39-28

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	2		SSe	SW					30.30	Presley day of July
2	2									
3	2									
4	2									
5	3									
6	3									
7	1		SWyn Syc							This day comes in with clear weather and light airs from the S.W.
8	2									
9	3									
10	0									All sail set
11	2									
12	3									
1	6		SW	SSe						Mistle and latter part squally
2	6									
3	7									
4	7									
5	7									Pumps attended to
6	7									
7	7									
8	7									Day ends clear and moderate
9	7									
10	6									
11	6		SWyn Syc							
12	6								30.33	43 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SWyS	103	80	6	84-05	84-04	6° W	66	70-33	70-34

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		SWyS	SSe					30.33	Wed 18 day of July
2	6									
3	6									
4	6									
5	7									This day comes in clear with moderate breeze from the SE
6	7									
7	7									
8	6		"	SE						All sail set
9	6									
10	6									
11	6									
12	6									Mistle and latter part the same as the first
1	6									
2	6									
3	5									Pumps attended to
4	5									
5	5									
6	5									
7	5									
8	5									Day ends as above
9	5									
10	5									
11	5									
12	5									44 days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SWyS	107	88	100	85-11	85-12	6° W	111	72-28	72-31

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		SWyS	ENE					30.35	Thurs 19 day of July
2	4									
3	4									
4	4									
5	4									This day comes in clear and moderate with an occasional Rain Squall
6	4									
7	4									
8	4		"	ENE						
9	5									All sail set
10	5								30.30	
11	5									
12	5									Mistle and latter part the same as the first
1	5									
2	5									
3	5									
4	5		"							Pumps attended to
5	5									
6	6									
7	4									Day ends as above
8	4									
9	4									
10	6									45 days out
11	5									
12	5		"	"					30.34	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SWyS	110	81	61	85-08	85-09	5° W	62	74-33	74-34

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		SWyS	NE					30.34	Friday 20 day of July
2	4									
3	5									
4	5									This day comes in clear with moderate breeze from the NE
5	6									
6	6									
7	7									
8	7									
9	8									Mistle and latter part clear with a little more wind than usual
10	8									
11	8									
12	8		"	"						
1	8									Pumps attended to
2	8									
3	8									
4	10									Day ends clear with fresh breeze
5	10									
6	10									All sail set
7	10									
8	10									
9	10									
10	10									46 days out
11	10									
12	10		"	"					30.35	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SWyS	195	151	124	89-39	89-40	5° W	144	76-01	76-00

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	"		SW by S	W					30.24	Set 21 day of July
2	"									
3	"									
4	"									This day comes in
5	"									clear with fresh breeze
6	"									blowing from the NW
7	"									
8	"									All Sails set
9	"									
10	"									
11	"									Middle and last part
12	18									the same as the first
1	"									
2	12									Pumps attended to
3	12									
4	"								30.00	
5	"									
6	"									Day ends with squalls
7	5	SE	SSW							blowing weather light
8	2								30.00	Sails furled
9	2									
10	2		Byffling							
11	2									47 days out
12	5								30.00	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW by S	202	166	115	32-25	None	5° E	182	48-18	None

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	2		SE	SW					30.00	Sunday 22 day of July
2	2									
3	2									
4	2									This day comes in with
5	6									squalls weather and
6	6									fresh breeze
7	6									
8	6									7 PM furled top sail
9	6									Sails Cross Jack and
10	6									Reefed the main sail.
11	5									
12	5									Middle and latter part
1	5									the same as the first.
2	5									
3	6								30.00	7 AM took a heavy
4	6									squall from the S. and
5	6									light bare top sail
6	5	SE	SW							furled main and mizzen
7	8									top sails
8	5	W by S	SW							
9	5									Day ends clear with heavy
10	5									breeze.
11	6									
12	6								30.12	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	22	20	18	33-55	33-53	5° E	22	47-56	None

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		W by N	SW					30.12	Mon 23 day of July
2	6									
3	2									
4	2									This day comes in clear
5	6		W by N	W by S					30.22	with fresh breeze and
6	5									occasional squalls
7	4									
8	4								30.28	1 PM sent a new fore top
9	4									sail and set it also set
10	4									the mizzen
11	1		"							
12	1		"							
1	1									Middle and latter part
2	0									Calm
3	0									
4	0									Pumps attended to
5	0									
6	0									Day ends clear with a
7	0									light air from the
8	2	SW	SE							SE all sail set
9	3									
10	3									
11	3									49 days out
12	3		"							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W by N	30	16	24	33-39	33-39	5° E	30	48-26	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		SW by S	SE by S					30.28	Tuesday 24 day of July
2	2									
3	3									
4	6		0							This day comes in clear
5	2									with moderate breeze
6	2									blowing from the SSE
7	8									All Sails set
8	8		"	"						
9	2		"	"						5 PM sent down sky sail
10	2		"	"						fore and mizzen
11	10									stake
12	10								30.30	
1	10									Middle and latter part
2	10									clear with fresh breeze
3	10		"	"						
4	10		"	"						
5	10									Pumps attended to
6	10									
7	10									Day ends as above
8	10									
9	10								30.27	
10	10									
11	11		"	"						
12	11		"	"						50 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW by S	202	161	132	36-50		5° E	164	57-40	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		SW S	SSC					30.88	Meal 25 day of July 188
2	10									
3	10									
4	10		SW S							This day comes in with
5	10									clear weather and fresh
6	10									barrels and a heavy sea
7	10									from the Southern
8	10									Wind set
9	10									
10	10									At 4 PM we found the ship
11	10		SW	SSC						was making some water
12	10									ignoring evidently some of
1	10									the stem we kept the
2	10									pumps in motion most of
3	10									the time through the
4	10									night
5	10									30.18
6	10									Middle and latter part
7	10									of the same as the
8	10									first
9	10									Day ends clear and more
10	10									moderate
11	10									
12	6								29.95	51 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW S	234	153	133	38-53	38-53	6° E	223	54-53	58-20

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		SW N	SSC					29.95	Thurs 26 day of July 188
2	10									
3	10									
4	10									This day comes in clear
5	10									with moderate breeze from
6	10									the SSC
7	10									At 10 set
8	10								29.85	
9	10									
10	10									Middle and latter part
11	10									about calm
12	10									
1	10		SSN	West						Pumps attended to
2	10									
3	10									
4	10									Day ends clear and
5	10									moderate
6	10								29.86	
7	10									
8	10									
9	10									
10	10									52 days out
11	10									
12	10									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW N	66	38	57	39-35	39-35	6° E	66	53-58	56-10

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		SW S	SW					29.60	Fri 27 day of July 188
2	10									
3	10									
4	10									This day comes in clear
5	10		SSC							with fresh breeze from
6	10									the SW
7	10									
8	10									At 10 set
9	10									
10	10									Middle and latter part
11	10									partly clear with
12	10									occasional Rain Squalls
1	10									
2	10									Pumps attended to
3	10									
4	10									
5	10									
6	10									Day ends clear with fresh
7	10									breeze
8	10		SW N	SW N						
9	10									
10	10									
11	10									53 days out
12	10								29.70	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW S	112	100	18	41-15	41-15	9° E	24	53-55	53-36

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		SW N	SW N					29.70	Sat 28 day of July 188
2	10									
3	10									
4	10									This day comes in clear
5	10									and moderate
6	10		SSC	SW						At 10 set
7	10									
8	10									4 PM Tackled Ship to
9	10									the SSC
10	10									
11	10									
12	10								29.86	Middle and latter part
1	10									the same as the first
2	10									
3	10									4 AM Tackled again to
4	10		SW	SW N						the SW
5	10									
6	10									Day ends clear and
7	10									moderate
8	10		SW N	SW N						
9	10									
10	10									54 days out
11	10									
12	10								29.83	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW N	20	2	24	41-22	41-22	9° E	22	53-58	56-04

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		S 4 E	S 4 E					29.80	Monday day of July 188
2	4									
3	4									
4	4									This day comes in clear with moderate breeze from the NW
5	4									
6	4									
7	5		SSE	SW					29.83	All sail set
8	5									1 PM Packeet ship to the Southward
9	4									
10	4									
11	4									
12	3									Middle and latter part partly cloudy with occasional light Rain squalls
1	5		S 4 E	S 4 E					29.75	Pumps attended to
2	5									
3	5									
4	5									
5	5									
6	5									
7	3		S 4 E	S 4 E						Day ends clear and calm
8	4									
9	0									
10	0									
11	0									5:30 day out
12	0								29.73	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 4 E	94	91	23	42-53	42-54	9° E	38	55-30	55-24

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	0		N 4 E	S 4 E					29.71	Tuesday day of July 188
2	2									
3	3									This day comes in clear and calm
4	6									
5	7									2 PM got a breeze from the Southward
6	7									
7	7									
8	7									
9	8									8 PM fired light sails
10	8									
11	10									Middle and latter part clear
12	10									
1	10									
2	10									6 AM wind increasing and blowing more southerly
3	8								29.83	fired 1st shot sent sails
4	8		N 4 E	S 4 E						Pumps attended to
5	10									
6	10									
7	10									
8	10									Day ends clear and more moderate all sail set
9	8									
10	8									
11	8									5:30 day out
12	8								30.05	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 4 E	177	40	172	48-13	48-12	10° E	242	59-33	59-34

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		N 4 E	S 4 E					30.05	Wednesday day of July 188
2	8									
3	8									
4	8									This day comes in clear and moderate
5	8								30.15	
6	7									
7	6									All sail set
8	5		West	SSW						
9	4									
10	4									Middle and latter part the same as the first
11	1									
12	1									1 AM Packeet ship to the Southward
1	2		S 4 E	N 4 E						
2	2									
3	2									
4	2									
5	3									Pumps attended to
6	4									
7	4		SSW							Day ends clear with fresh breeze from the NW
8	5									
9	7									
10	7									
11	9									5:30 day out
12	10								30.22	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 4 E	98	88	38	48-40	48-43	10° E	188	61-40	61-34

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		S 4 E	N 4 E					30.22	Thursday day of Aug 1883
2	10									
3	11									
4	11									This day comes in clear with fresh breeze from the NW
5	11									
6	11									
7	11									
8	11									All sail set
9	13									
10	13									
11	13									Middle and latter part the same as the first
12	13		S 4 E	N 4 E					30.05	
1	13									
2	13									
3	12									Pumps attended to
4	12									
5	11									
6	11									
7	11									Day ends clear
8	11								29.85	
9	10									
10	9									
11	9									5:30 day out
12	9									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
S 4 E	265	233	125	46-31	46-36	10° E	184	64-44	64-48

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			SE	W						
2			SE	W					29.85	
3										
4										This day comes in
5										clear with moderate
6										bores from the NW
7										
8			"	"					29.83	All sail set
9										
10										
11										Mist and lattes part
12										clear
1										
2										
3										Pumps attended to
4			"	"					29.58	
5										
6										
7										Day ends clear with
8										fresh bores from the
9			W							NW
10										
11			"							5 P. Day out
12			West						29.55	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	128	122	W	49.23	49.23	15° E	W	64-44	64-43

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			SE	W					29.58	
2										
3										
4										This day comes in with
5			SE	W						fresh bores from the NW
6										
7										All sail set
8									29.80	
9										
10										Mist and lattes part
11										clear and moderate
12										
1			"							Pumps attended to
2										
3										
4										
5										Day ends as above
6									29.40	
7										
8										
9										
10										60 days out
11			"	"						
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	141	138	28	57-41	57-41	16° E	43	63-38	63-45

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			SE	W					29.80	
2										
3										
4										This day comes in clear
5										with moderate bores
6										from the NW
7										
8			"	W						
9										
10										Mist and lattes part
11										the same as the first
12										
1										
2										
3										Pumps attended to
4									29.69	
5										11 AM Cape St John
6			SE							bores NW distance 10 miles
7										
8										Day ends partly clear
9										with fresh bores and
10			SW	W						squally weather
11										
12									29.50	61 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE	124	123	18	54-52	54-54	18° E	33	63-13	63-15

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			SW	W					29.50	
2										
3			SW	W						
4										This day comes in with
5										clear weather and moderate
6										bores
7										
8									29.42	4 PM set light sails
9										
10										
11										Mist and lattes part
12									29.35	the same as the first
1										
2			SW							8 AM Cape Horn bore NW
3										12 miles distance
4										
5										Day ends squally at 10 AM
6										we hauled up the sails
7			SE	W						all the sails and reefed
8										the sails and main sail
9										
10										
11										
12			"	"					29.10	62 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SW	136	106	117	56-40	W	19° E	216	64-34	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		Sy h	W/S					29.10	Monday day of Aug 188
2	4									
3	4									
4	5									This day comes in
5	5									cloudy with moderate
6	4									boles and occasional
7	4									heavy squalls
8	0		Sy h	SSE						7 PM we were ship.
9	4									to the westward wind
10	4									holding to the SSE
11	4		WSW							midst and latter part
12	4									of the same as the first
1	4									only more wind
2	4									
3	4		WSW	South					29.33	Pumps attended to
4	10									
5	5									Day ends with heavy
6	5									boles and terrific squalls
7	5									curves and to the south
8	5		WSW	Sy h						Refect. Sprinkler and
9	4									cross deck furled
10	4									
11	4									63 Days out
12	4								29.43	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
West	83	1	83	56-83	56-31	83° E	760	69.84	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		West	SSE					29.43	Tuesday day of Aug 1883
2	4									
3	4									This day comes in with
4	4									partly cloudy weather and
5	4									heavy boles with occasional
6	4									heavy squalls
7	4									
8	4		WSW	Sy h						4 PM set Sprinkler and
9	10									flying fire
10	10									midst and latter part
11	10								29.65	more moderate
12	10									
1	10		WSW	SSE						4 AM made all sail
2	10									Pumps attended to
3	10									
4	10									Day ends cloudy and
5	10		West	SSE						moderate
6	4									
7	4									
8	4									
9	4									
10	4									64 Days out
11	4									
12	4								29.78	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
WSW	830	52	810	55:43	none	24° E	878	75:48	None

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		West	South					29.78	Wednesday day of Aug 188
2	4									
3	4									
4	4									This day comes in cloudy
5	4									and moderate
6	4									
7	1									All Sail set
8	1								29.88	
9	4			South						midst and latter part
10	4									the same as the first
11	4									
12	4									
1	4									
2	5		WSW							Pumps attended to
3	5									
4	5								29.80	
5	6									Day ends with partly cloudy
6	7									weather and fresh boles
7	7									
8	10									
9	10									
10	10									65 Days out
11	10									
12	10								29.65	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
WSW	120	28	76	54-11	54-14	85° E	130	71.58	None

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		WSW	Sy h	SE				29.65	Thursday day of Aug 1883
2	4									
3	4									
4	4									This day comes in with partly
5	4									cloudy weather and moderate
6	4									boles
7	4									All Sail set
8	4									
9	6									12 midnight wind held
10	8									to the SE
11	8									
12	8		WSW	SE					29.78	5 AM furled light sails
1	8									
2	8									Pumps attended to
3	8									
4	8									Day ends Raining with fresh
5	9		WSW	SE						boles
6	9									
7	10									
8	11									12 M furled top. Solvent
9	11								29.45	Sails
10	11									
11	11									66 Days out
12	11								29.18	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
WSW	416	128	198	57-28	none	28° E	304	82:16	None

towards San Francisco

H K F			COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1			West	N/2 W					29.50	Sun 12 day of Aug
2										
3										
4										This day comes in with
5										Squally weather and fresh
6									29.15	bates
7										
8										4 PM first of upper Pop. sent
9										Main Boat and Sprinker
10										Wind increasing rapidly
11										and a very heavy sea
12										running
1										
2										4 AM Split new fire lower
3										Pop. sent and Sprung the Yawl
4			S/2 W	West					29.00	Ship laboring very heavy
5										and the decks flooded with
6										water
7										8 AM wore Ship. At the water
8										and and bent new lower Pop. sent
9			N/2 W	"						and Pop. fit
10										Sea ends clear and more moderate
11										at set Reefed Pop. sent and
12									29.48	Main Boat

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob
					50. 22	88° E		78. 47	80. 00

	H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
					Direction.	Force.		Air.	Water.		
											Monday 13 Aug 1883
1	4			Nly W	Nly E					29.48	
2	4										
3	4										
4	4										This day comes in with heavy Scales and Squally weather
5	3										1 PM set Cross peak
6	3										
7	3										
8	3										
9	2										8 PM out Reefes and set main top. Solent Ld
10	2			N W	E S						
11	2										
12	2									29.65	Mistk and latter part Squally with a heavy sea running from the NW Ship, lathering heavy and shipping large quantities of water
1	2										
2	2										
3	2										
4	2										
5	2										
6	2										
7	2			"	"						Pumps attended to Ship making considerable water
8	2										Day ends as above
9	2										
10	2									30.00	
11	2										
12	2			"	"					30.05	To days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N 1/2 E	15.6	15.6	none	31.8-08	31.8-03	28° E	0	98.48	98.48

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Pres	1st day of	Aug	188
				Direction.	Force.		Air.	Water.						
1	7		N/4 W	N/4 W					30.05					
2	7													
3	6													
4	6													
5	6		N/4 E	N/4 W						This day comes in with				
6	6									partly cloudy weather				
7	6									and moderate breeze 2 PM				
8	6		West	N/4 W					30.12	set all sail				
9	6									8 PM Racked Ship to the				
10	8									Westward				
11	8		N/4 W	North										
12	8													
1	4									12 Midnight Wind increasing				
2	4									rapidly Reefed Top Sails				
3	3									Main Sail and Cross Jack				
4	3								39.75					
5	3									7 AM more moderate				
6	4		SSW	West						Ship to the Northward and at				
7	4									8 out reefs and set Main				
8	7									Top Sails and a heavy sea				
9	7									running from the Northward				
10	7									making the Ship labor heavily				
11	8									and make some water				
12	8								39.80	Day ends as above				

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N/4 W	108	99	38	46-22	46-48	28° E	53	80.39	West

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Pres	15th day of	Aug	188
				Direction.	Force.		Air.	Water.						
1	9		N/4 W	N/4 S					29.90					
2	9													
3	9													
4	9									This day comes in with clear				
5	9									weather and heavy seas and				
6	9		N/4 W	S/4 W					30.00	a very heavy sea from				
7	8									the Northward Ship laboring				
8	8									heavy and making considerable				
9	7									water				
10	7													
11	7								30.15	Mist and latter part				
12	8									partly cloudy and more				
1	8		N/4 W	N/4 W						moderate				
2	8													
3	8									4 AM all sail set				
4	8								30.23					
5	8													
6	7									Day ends partly cloudy				
7	7									and moderate				
8	8													
9	8													
10	8		N/4 E	N/4 W										
11	8													
12	4													

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N/4 W	168	163	32	43-53	43-58	28° E	45	81-34	None

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towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Pres	16th day of	Aug	188
				Direction.	Force.		Air.	Water.						
1	6		N/4 E	N/4 W					30.40					
2	6													
3	6													
4	6									This day comes in with partly				
5	6		S/4 N	N						cloudy weather and moderate				
6	6									breeze				
7	6													
8	5								30.30	All sail set				
9	8		N/4 E							5 PM Racked Ship to the S W				
10	8									and at 8 Racked to the Northward				
11	8									again				
12	8													
1	8													
2	8									Mist and latter part				
3	8									fresh tops furled light sails				
4	8								30.25	and mizen Top Sails set				
5	8		N/4 W	N/4 W						4 AM Racked to the Westward				
6	8													
7	8									Day ends Rainy with heavy				
8	8									tops Main Sail reefed and				
9	8									Cross Jack furled a heavy				
10	8									sea from the Westward making				
11	8									the Ship labor heavily and				
12	8									make considerable water Ramps				

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N/4 E	88	88	3	48-28	48-28	28° E	8	81-33 W	0

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Pres	17th day of	Aug	188
				Direction.	Force.		Air.	Water.						
1	8		West	N/4 W					30.05					
2	8													
3	8									This day comes in with heavy				
4	8									tops and Rainy weather				
5	8													
6	4		N/4 W	West					29.93	2 PM reefed Top Sails				
7	4									6 PM Racked Ship to the N W				
8	4									and made all sail				
9	4													
10	4													
11	4									Mist and latter part				
12	4								30.00	was moderate				
1	4													
2	4									Ramps carefully attended				
3	4													
4	4													
5	4													
6	4													
7	4		N/4 W	SW						Day ends as above				
8	4													
9	4													
10	4													
11	4													
12	4								30.20	Day ends as above				

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N/4 E	88	60	14	41-28	41-28	28° E	14	81-16	29.08

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towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	0		W/S	W/S					30.20	Set 18 th day of Aug 1883
2	0									
3	0									
4	0									This day comes in clear and calm
5	0									
6	2								30.25	5 PM got a light breeze from the Northward will set set
7	4									
8	4									
9	2									
10	2									Mistake and latter part foggy with fresh Gales light
11	2									Sails furled
12	2									
1	2									
2	2									
3	2								30.20	Pumps attended to
4	2		West	W/S						Ship continues to make water with a head
5	2									
6	2									
7	2									
8	2									
9	2									Day ends up above
10	2		W/S	W/S						
11	2									
12	2								30.14	75' Log out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/S	140	47	138	40.40 S	0	80° E	175	84 11 20	0

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W/S	W/S					30.14	Sunday 19 th day of Aug 1883
2	8									
3	8									This day comes in with fresh Gales and cloudy weather
4	8									light Sails furled
5	8									
6	8									
7	8									4 PM furled Top, Gullent Sails and Cross Jack
8	8									
9	8									
10	8									12 Midnight were Ship & the Northward
11	8									
12	8		W/S	W/S					30.02	Mistake and latter part Rain and Moderate
1	5									Will Sait set
2	5									
3	5									
4	5									
5	5									Pumps attended to
6	5									Day ends as above
7	5									
8	5									
9	0									
10	7									
11	5									
12	5									75' Log out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/S	75	50	55	39.50	0	80° E	75	84 24 0	0

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		W/S	W/S					30.06	Mon 20 th day of Aug 1883
2	5									
3	6									
4	6									This day comes in with moderate Gales and Rain weather
5	6									
6	6									
7	2									Will Sait set
8	2		W/S	W/S						
9	2									
10	1									Mistake and latter part the same as the first
11	1									
12	1									
1	2								30.00	Pumps carefully attended to
2	2									
3	2									
4	1									
5	1									
6	2									
7	2									100 ends with partly fresh weather and moderate
8	2									
9	2									
10	2									
11	3									
12	3								29.82	75' Log out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/S	51	50	5	39.00	39.09	18° E	3	85.20	0

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	3		W/S	W/S					29.82	Tuesday 21 st day of Aug 1883
2	3									
3	3									This day comes in with moderate Gales and cloudy weather
4	4									
5	2									
6	2									Will Sait set
7	2									
8	2									
9	8									Mistake and latter part Squally with fresh Gales
10	8									
11	8									
12	8								30.05	Pumps attended to
1	8									
2	8									
3	8									
4	8									
5	8									Day ends clear and moderate
6	10									
7	10									
8	8									
9	8									
10	8									
11	8									
12	8								30.18	75' Log out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/S	180	182	127	36.53	36.52	18° E	152	87.59	88.09

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 N	SE					30.14	Wed 22 day of Aug
2	8		W 1/2 N							
3	8									
4	8									This day comes in with moderate breeze and clear weather
5	8									
6	8			SE						
7	8									
8	8		"						30.30	Call Sail set
9	8									
10	8			SE						
11	8									Mistake and latter part the same as the first
12	8									
1	8									
2	8									Pumps attended to
3	8									
4	8		"	SE					"	
5	8									
6	8									
7	8									Day ends
8	8									
9	8									
10	8									
11	8									
12	8									22 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	181	102	145	33-06	33-108	18° E	122	90.36	90.09

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 N	SE					30.38	Thurs 23 day of Aug
2	8									
3	8									
4	8									This day comes in with clear weather and very moderate breeze
5	8									
6	8									
7	8									
8	8									
9	8		"							
10	8									
11	8									
12	8									
1	1								30.33	Mistake and latter part the same as the first
2	1									
3	1									
4	8									Pumps attended to
5	8									
6	8									
7	8		"							Day ends as above
8	8									
9	8									
10	8									
11	8									
12	8									30 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	28	33	30	34-33	34-338	15° E	33	91-33	91.00

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1									30.35	Friday 24 day of Aug
2										
3										
4										This day comes in with clear weather and a calm
5										
6										
7										
8									"	
9										
10										Mistake and latter part the same as the first
11	1		W 1/2 N	SE						
12	1									
1	8									
2	8									Pumps attended to
3	1									
4	1									
5	1									
6										
7										Day ends as above
8										
9	1		W 1/2 N	SE						
10	1									
11	1									
12	1								30.30	31 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	11	8	8	34-35	34-348	15°	8	91-36	91-38

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		W 1/2 N	SE					30.30	Sat 25 day of Aug
2	4									
3	4									
4	6									This day comes in with moderate breeze and clear weather
5	6									
6	6		W 1/2 N	SE						Call Sail set
7	6									
8	6									1 PM Picked Ship to the Northward
9	6									
10	6									
11	6									6 PM Picked Ship to the S
12	6									Mistake and latter part clear with occasional Rain Squalls
1	7									11 PM Picked Ship to the Northward
2	7									
3	7									
4	7								30.35	Pumps attended to
5	8									
6	8									
7	8		W 1/2 N	SE						Day ends with pretty strong weather and fresh breeze
8	7									
9	7									
10	7									
11	7									
12	7									32 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	95	91	88	37-54	37-508	15° E	95	91-01	90.50 N

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		NE 1/2 N	W 1/2 N					30.35	Sun 26 day of Aug
2	6									
3	6									
4	6									This day comes in clear with moderate breeze from the NW
5	6									
6	6									
7	6									
8	6									All Sail set
9	6									
10	6									
11	6									Mist and latter part the same as the first
12	6									
1	5								30.30	
2	5									Pumps carefully attended to
3	5		West	W 1/2 N						
4	5									
5	5									
6	5									2 AM Tacked Ship to the Westward
7	5									
8	5									
9	5									Day ends as above
10	5									
11	6									
12	6									83 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NE 1/4 E	68	5' 8"	34	31=56	31=59	18° E	41	30.20	30.08

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	7		West	W 1/2 N					30.30	Monday 27 day of Aug
2	7									
3	7									
4	7		W 1/2 N	W 1/2 N						This day comes in with fresh breeze and clear weather
5	7									
6	7									
7	8									
8	8								30.20	All Sail set
9	8									
10	8									8 PM fired light
11	8									Sails
12	8									
1	8									Mist and latter part the same as the first with the exception of passing Rock Squalls
2	8		West							
3	7									
4	7									
5	7									
6	8									
7	8		W 1/2 N	W 1/2 N					30.07	Pumps attended to
8	8									
9	8									
10	8									Day ends as above
11	8		W 1/2 N							
12	8								30.04	84 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	130	63	102	30.53	30.53	11° E	180	28.80	0

Journal from New York towards San Francisco

H	K	F	COURSES	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 N	W 1/2 N					30.04	Tues 28 day of Aug
2	8									
3	8									
4	8									This day comes in with clear weather and fresh breeze light Sails fired
5	8									
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									Mist and latter part the same as the first
12	8									
1	7									
2	7									
3	7									Pumps attended to
4	7								30.00	
5	7									
6	7									Day ends as above
7	7									
8	7									
9	5									
10	5									
11	5									
12	5									85 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/4 N	122	122	115	28=46	28=46	14° E	132	30.08	0

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 N	W 1/2 N					30.30	Wed 29 day of Aug
2	8									
3	8									
4	8									This day comes in with fresh breeze and clear weather
5	8									
6	8									
7	8									Light Sails fired
8	8									
9	8									
10	8									
11	8									Mist and latter part the same as the first
12	8									
1	10									
2	10									
3	10									Pumps carefully attended to
4	10									
5	8									
6	8								30.11	Day ends clear and moderate all Sail set
7	8									
8	8									
9	8									
10	7		W 1/2 N	W 1/2 N						
11	7									
12	6									86 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/4 E	206	130	158	26=36	26=36	15° E	132	28=08	28=18

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	2		W N	W S					30.14	Thurs 30 th day of Aug 1883
2	2									
3	2									
4	2									This day comes in clear and moderate
5	2									
6	2									
7	4		W N	W S						All sail set
8	4									
9	4									
10	4									Mistake and letter for the same as the first
11	4									
12	4									
1	4									
2	4		W N	S N						Pumps attended to
3	4									
4	4									
5	5									
6	5									
7	4									Day ends as above
8	4									
9	8									
10	8									
11	8									
12	8								30.22	88 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W N	88	63	3.8	25-33	25-33 S	15° E	5.8	88-08	88-08

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	1		W N	S N					30.22	Friday 31 st Aug 1883
2	1									
3	1									
4	1									This day comes in with clear weather and light breeze from the SW
5	1									
6	2									
7	2									
8	2									
9	3									8 PM we struck the SE trade wind but very lightly
10	3									
11	4								30.22	
12	4									Mistake and letter for the same as the first
1	4									
2	4									
3	5									
4	5									
5	5									
6	5									
7	5									Day ends as above
8	5									
9	5									
10	5									
11	6									88 days out
12	6								30.31	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W N	85	60	60	24-26	24-26	12° E	66	88-13	88-18

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towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		W N	SE					30.31	Sat 1 st day of Sept 1883
2	5									
3	6									
4	6									This day comes in with moderate breeze and clear weather
5	6									
6	6									
7	6									
8	6		"	"						All drawing sail set
9	6									
10	6									
11	6									Mistake and letter for the same as the first
12	6									
1	6									
2	6									Pumps attended to
3	6									
4	6									
5	5									
6	5									
7	6									Day ends as above
8	6									
9	7									
10	7									
11	7									
12	7									88 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W N	138	82	100	22-57	23-03	10° E	111	91-48	91-16 N

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	7		W N	SE					30.30	Sun 2 nd day of Sept 1883
2	7									
3	7									
4	7									This day comes in with moderate breeze and clear weather
5	7									
6	7									
7	7									All drawing sail set
8	7		"	"						
9	7									
10	7									
11	7									Mistake and letter for the same as the first
12	7									
1	6									
2	6									
3	6									Pumps attended to
4	6								30.35	
5	7									
6	7									Day ends as above
7	7		W N							
8	7									
9	7									
10	7		W N							90 days out
11	7									
12	7									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W N	164	104	123	21-15	21-18	8° E	135	98-23	98-28 N

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 N	se					30.15	Mon 3 rd day of Sept
2	8									
3	8									
4	8									
5	8									This day comes in with moderate breeze and clear weather
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									Mist and latter part the same as the first
12	8									
1	8									
2	8									Pumps attended to
3	8									
4	8									
5	8									
6	8									
7	8									
8	8									Day ends as above
9	8		W 1/2 N							
10	8									
11	8									31 Days out
12	8								30.23	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	110	141	94	18-54	18-54.5	1° E	101	83-03	83-03

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 N	se					30.23	Tues 4 th day of Sept
2	8									
3	8									
4	8									This day comes in with clear weather and fresh breeze
5	8									
6	8									
7	8		N	ese						All drawing sail set
8	8									
9	8									
10	8									
11	8									Mist and latter part the same as the first
12	8									
1	10									
2	10									
3	10									
4	10									Pumps attended to
5	10									
6	10									11 AM sprung fore Reel
7	10									
8	10		W 1/2 N							Day ends as above
9	10									
10	10									
11	10									
12	10								30.20	32 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	222	164	149	16-10	16-10.8	1° E	153	82-48	82-40 1/2

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		N	ese					30.20	Wed 5 th day of Sept
2	10									
3	10									
4	10									
5	10									This day comes in with fresh breeze and squally weather
6	10									
7	10									
8	10									
9	10									All sail set
10	10									
11	10									
12	10									Mist and latter part the same as the first
1	10									
2	10									
3	10									
4	10									Pumps attended to
5	10									
6	10									
7	10									
8	10									Day ends as above
9	10									
10	10									
11	10									
12	10									33 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N	241	170	170	18-20	18-23	1° E	170	100-33	100-34 1/2

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		N	ese					30.20	Thurs 6 th day of Sept
2	10									
3	10									
4	10									This day comes in with fresh breeze and squally weather
5	10									
6	10									
7	10									
8	10									All sail set
9	10									
10	10									
11	10									Mist and latter part the same as the first
12	10									
1	10									
2	10									
3	10									Pumps attended to
4	10								30.14	
5	10									
6	10									Day ends as above
7	10									
8	10									
9	10									
10	10									
11	10									
12	10									33 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N	240	170	170	10-30	10-24	8° E	128	103-30	103-23

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS. Direction. Force.	LEEWAY.	THERMOMETER. Air. Water.	BAROMETER	REMARKS
1	8		W 1/2 E	East			30.14	Friday 7 day of Sept 1883
2	8							
3	8							
4	8							
5	8			ese				This day comes in with fresh gales and clear weather
6	8							
7	8							
8	8							All sail set
9	8							
10	8							
11	8							
12	8		"	"			30.10	Middle and latter part the same as the first
1	8							
2	8							
3	8							
4	8							
5	8							Pumps attended to
6	8			ese				
7	8							
8	8							
9	8							Day ends as above
10	8							
11	8							95 Days out
12	8							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 E	186	143	118	8-03	8-03.8	0	130	105-30	105-36.2

H	K	F	COURSES.	WINDS. Direction. Force.	LEEWAY.	THERMOMETER. Air. Water.	BAROMETER	REMARKS
1	7		W 1/2 E	Seve			30.10	Sat 8 day of Sept 1883
2	7							
3	7							
4	7							This day comes in with moderate gales and clear weather
5	7							
6	7							
7	7							All sail set
8	7							
9	7							
10	7							
11	7							Middle and latter part the same as the first
12	7							
1	7							
2	7							
3	7							
4	7							Pumps attended to
5	7							
6	7							
7	7							Day ends as above
8	7							
9	7							
10	6							96 Days out
11	6							
12	6						30.03	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 E	165	127	175	6-00	6-00	0	115	102-15	102-14

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS. Direction. Force.	LEEWAY.	THERMOMETER. Air. Water.	BAROMETER	REMARKS
1	6		W 1/2 E	Seve			30.07	Sunday 9 Sept 1883
2	6							
3	6							
4	6							This day comes in with moderate gales and clear weather
5	6							
6	6							
7	6							All sail set
8	6		"	"				
9	7							
10	7							Middle and latter part the same as the first
11	7							
12	7							
1	7							
2	7							
3	7							
4	7		"	"			30.04	Pumps attended to
5	7							
6	7							
7	7							
8	7							Day ends as above
9	7							
10	7							
11	7							97 Days out
12	7						30.10	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W	160	113	113	4-07	4-13.8	0	113	102-08	102-01.2

H	K	F	COURSES.	WINDS. Direction. Force.	LEEWAY.	THERMOMETER. Air. Water.	BAROMETER	REMARKS
1	6		W 1/2 E	Seve			30.10	Monday 10 Sept 1883
2	6							
3	6							
4	6							This day comes in with moderate gales and clear weather
5	6							
6	6							
7	6							All sail set
8	6		"	"				
9	6							
10	6							
11	6							Middle and latter part the same as the first
12	6							
1	6							
2	6							
3	6							Pumps attended to
4	6		"	"				
5	6							
6	6							Day ends as above
7	6							
8	5							
9	5							
10	5		W 1/2 E	Se				98 Days out
11	5							
12	5						30.07	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W	133	98	98	2-22	2-29.8	0	98	110-28	110-26.6

Journal from New York towards San Francisco

H	K	F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
			Direction.	Force.	Direction.	Force.		Air.	Water.		
1	6		WN	SE						30.07	This day comes in with the severe weather and clear All clearing sail set Mistake and latter part the same as the first Pumps attended to By ends as above 99 Days out
2	6										
3	6										
4	6										
5	6										
6	6										
7	6										
8	5										
9	5										
10	5										
11	5										
12	5										
1	4										This day comes in with the severe weather and clear All clearing sail set Mistake and latter part the same as the first Pumps attended to By ends as above 99 Days out
2	4										
3	4										
4	4										
5	4										
6	4										
7	4		WN								
8	3										
9	3										
10	3										
11	3										
12	3										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
WN 1/2 N	107	93	56	56	0 56 28	0	56	111-42	111-48 W

H	K	F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
			Direction.	Force.	Direction.	Force.		Air.	Water.		
1			WN 1/2 N	SE						30.07	This day comes in with moderate gales and clear weather All sail set Mistake and latter part the same as the first Pumps attended to By ends as above 100 Days out
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											This day comes in with moderate gales and clear weather All sail set Mistake and latter part the same as the first Pumps attended to By ends as above 100 Days out
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
WN 1/2 N	115	95	63	0 45 2	0 47	0	63	112-45	112-51

Journal from New York towards San Francisco

H	K	F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
			Direction.	Force.	Direction.	Force.		Air.	Water.		
1			WN	SE							This day comes in with moderate gales and clear weather All sail set Mistake and latter part the same as the first Pumps attended to By ends as above 101 Days out
2											
3											
4											
5											
6											
7			WN								
8											
9											
10											
11											
12											
1											This day comes in with moderate gales and clear weather All sail set Mistake and latter part the same as the first Pumps attended to By ends as above 101 Days out
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
WN 1/2 N	175	135	111	3-00	3-00 1/2	0	111	114-40	114-45

H	K	F	COURSES.		WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
			Direction.	Force.	Direction.	Force.		Air.	Water.		
1	6		WN	SE							This day comes in as usual clear and moderate All sail set Mistake and latter part the same as the first Pumps attended to By ends as above 102 Days out
2	6										
3	6										
4	6										
5	6										
6	6										
7	6										
8											
9											
10	6										
11	6										
12	6										
1	6										This day comes in as usual clear and moderate All sail set Mistake and latter part the same as the first Pumps attended to By ends as above 102 Days out
2	6										
3	5										
4	5										
5	5										
6	4										
7	4										
8	4										
9	5										
10	5										
11	5										
12	6										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
WN 1/2 N	137	130	119	5-10	5-10 1/2	0	119	115-05	115-06 1/2

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		N ¹ / ₂ W	SSE						This day comes in with moderate gales and clear weather
2	6									
3	6									
4	6									
5	6									
6	6		North							Mistable and latter part the same
7	5									
8	5									
9	5									
10	5									
11	5									Pumps attended to
12	5									
1	4									
2	4									
3	4									
4	4									Log ends as above
5	5									
6	5									
7	5									
8	5									
9	5									103 Days out
10	4									
11	4									
12	5									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N ¹ / ₂ E	118	118	13	2008	2008	8° E	18	114-53	114-53

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		NW	South					30.02	This day comes in as usual clear and moderate
2	4									
3	4									
4	4									
5	4									
6	4									All sail set
7	3									
8	3									
9	3									
10	3									
11	3									Mistable and latter part the same
12	3		P	SSW						
1	3									
2	3									
3	4									
4	4			Variable						Pumps attended to
5	0									
6	0									
7	1									
8	8			SW						
9	4									Log ends as above
10	4									
11	4									
12	4									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N ¹ / ₂ W	24	25	5	8-41	8-41 2	2°	6	114-53	114-53

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	4		N ¹ / ₂ W	WSW					30.04	This day comes in clear and moderate
2	4									
3	4									
4	4									
5	5									
6	5									All sail set
7	7		North	W ¹ / ₂ S						
8	7									
9	7									
10	7									
11	7									1 P M Squall of Bark Colan Ferguson of Glasgow from Valparaiso bound to Astoria
12	7									
1	8									
2	8									
3	8									
4	8									Mistable and latter part the same as the first
5	8									
6	7									
7	7									
8	7									
9	7		WNW	W ¹ / ₂ S						Pumps attended to
10	7									
11	7									
12	7									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N ¹ / ₂ W	154	154	6	1055	1055-0	8° E	2	115-04	115-02

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	7		N ¹ / ₂ W	W ¹ / ₂ S					30.08	This day comes in with partly cloudy weather and fresh gales
2	7									
3	7									
4	7									
5	7									
6	7									All sail set
7	7									
8	7									
9	7									
10	7									
11	7		North	W ¹ / ₂ S						Mistable and latter part squally
12	7									
1	7									
2	6									
3	6									
4	6			N ¹ / ₂ W	West					Pumps attended to
5	6									
6	7									
7	7									
8	7									
9	7									Log ends cloudy with fresh gales
10	6									
11	6									
12	6									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
N ¹ / ₂ W	160	168	33	18-50	0	5° E	40	115-44	0

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		NW	by S					30.05	
2	8									
3	8									
4	8									
5	8									This day comes in with
6	8									fresh gales and partly
7	8									cloudy weather
8	8									
9	8		NW	NE						
10	8									All sail set
11	8									7 PM the wind halts
12	8									to the NE in a squall
1	8									
2	8									Mistake and latter part
3	8									squally and moderate
4	8		NW	"						
5	8									
6	8									
7	8									Pumps attended to
8	8									
9	8									Day ends as above
10	8									
11	8									
12	8									107 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NW	145	128	68	15-38	0	8° E	71	116-55	0

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		NW	NE					30.05	
2	8									
3	8		by N	NW						This day comes in with
4	8									moderate gales and
5	8									cloudy weather
6	8									
7	8									All sail set
8	8		NW	NW						
9	8									
10	8									Mistake and latter part
11	8									clear
12	8									
1	8									
2	8									
3	8									Pumps attended to
4	8									
5	8									
6	8		by NW	"						Day ends as above
7	8									
8	8									
9	8									
10	8									
11	8									
12	8								30.05	108 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NW	138	58	184	16-33	16-36	8° E	130	119-05	0

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		by N	NW					30.05	
2	8									
3	8									
4	8									This day comes in with
5	8									moderate gales and
6	8									clear weather
7	8									
8	8									All sail set
9	8		"	"						
10	8									
11	8									Mistake and latter
12	8									part the same as the
1	8									first
2	8									
3	8									
4	8									Pumps attended to
5	8									
6	8		"	"						
7	8									
8	8									Day ends as above
9	8									
10	8									
11	8									
12	8		"	"					30.10	109 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NW	135	58	165	17-36	17-38	8° E	138	121-58	124-58

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		by N	NW					30.10	
2	8									
3	8									
4	8									This day comes in with
5	8									moderate gales and
6	8									clear weather
7	8		NW	NE						
8	8									All sail set
9	8									
10	8									
11	8									Mistake and latter part
12	8									the same as the first
1	8									
2	8									
3	8									Pumps attended to
4	8									
5	8									
6	8									Day ends as above
7	8		NW	NE						
8	8									
9	8									
10	8									
11	8									
12	8		"	"					30.05	110 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
NW	145	108	108	19-15	19-15	8° E	108	123-54	124-08

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		n + w.	ye						Sun 23 day of Sept 1883 This day comes in with partly cloudy weather and moderate gales All sail set Mistake and latter part the same Pumps attended to Day ends cloudy and moderate 111 Days out
2	6									
3	6									
4	6									
5	6									
6	6									
7	7									
8	7									
9	7									
10	7									
11	6									
12	6									
1	4		west	ye						Mon 24 day of Sept 1883 This day comes in with clear weather and moderate gales All sail set Mistake and latter part calm Pumps attended to Day ends clear and moderate 112 Days out
2	4									
3	3									
4	4									
5	4		ene	North						
6	3									
7	3									
8	3									
9	3									
10	3									
11	3									
12	3									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	87	2 1/2	22	23-48	0	10° E	22	125-11	0

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		n s w	W					30.05	Mon 24 day of Sept 1883 This day comes in with clear weather and moderate gales All sail set Mistake and latter part calm Pumps attended to Day ends clear and moderate 112 Days out
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	3									
9	3									
10	2									
11	2									
12	0									
1	0									Tue 25 day of Sept 1883 This day comes in clear with moderate gales from the North All sail set Mistake and latter part the same as the first Pumps attended to Day ends as above 113 Days out
2	0									
3	0									
4	0									
5	0									
6	2		W 1/2 S	W 1/2 N						
7	2									
8	1									
9	1									
10	1									
11	2									
12	2								30.12	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 S	56	10	49	19-53	19-53	11° E	53	126-24	0

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	9		n n w	North					30.11	Tue 25 day of Sept 1883 This day comes in clear with moderate gales from the North All sail set Mistake and latter part the same as the first Pumps attended to Day ends as above 113 Days out
2	4									
3	4									
4	4									
5	4									
6	4								30.05	
7	4									
8	4									
9	4									
10	4									
11	4									
12	4									
1	4									Wed 26 day of Sept 1883 This day comes in with moderate gales and clear weather All sail set Mistake and latter part cloudy Pumps attended to Day ends as above 114 Days out
2	4									
3	4									
4	4		n n w	ne					30.10	
5	4									
6	4									
7	5									
8	5									
9	5									
10	5		W 1/2 N	W 1/2 E						
11	5									
12	5								30.15	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	100	68	80	20.52	20.51	11° E	86	127-30	127-35

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		W 1/2 N	W 1/2 E					30.15	Wed 26 day of Sept 1883 This day comes in with moderate gales and clear weather All sail set Mistake and latter part cloudy Pumps attended to Day ends as above 114 Days out
2	5									
3	5									
4	5									
5	5									
6	5									
7	5									
8	5									
9	3									
10	3		W 1/2 N	W 1/2 E						
11	3									
12	3									
1	2									Thu 27 day of Sept 1883 This day comes in with moderate gales and clear weather All sail set Mistake and latter part cloudy Pumps attended to Day ends as above 115 Days out
2	2									
3	2									
4	0									
5	1		W 1/2 N	W 1/2 E						
6	2									
7	3									
8	3									
9	4									
10	4									
11	4									
12	4								30.12	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	80	60	50	21-52	0	11° E	64	128-19	0

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	5		Wyn	W					30.13	Phos?? Sept 188
2	5									
3	5									
4	5									
5	6									This day comes in with
6	6									moderate breeze and
7	6									partly cloudy weather
8	6									
9	5									All Sails set
10	5		Wyn	W						
11	5									
12	5									
1	5									Wickets and latter part
2	5									the same as the first
3	5									
4	5									Pumps attended to
5	5									
6	5									
7	5									
8	5									Day ends as above
9	5		Wyn	W						
10	5									115 Days over
11	5									
12	5								30.15	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wyn	131	56	118	22-48	22-48	9° E	122	130.88	130.40

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		Wyn	W					30.15	Friday 28 Sept 188
2	6									
3	6									
4	6									This day comes in as
5	6									usual breeze and moderate
6	6									All Sails set
7	6									
8	6									
9	6									
10	6		Wyn	W						Wickets and latter
11	5									part the same
12	5									
1	5									
2	5		Wyn	W						Pumps attended to
3	5									
4	5									
5	5									
6	5									
7	5									Day ends Calm
8	0									
9	0									
10	0									
11	0									116 Days out
12	0								30.15	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wyn	94	25	56	24-04	24-04	9° E	62	131-48	131-48

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	0								30.15	Sept 29 day of Sept 188
2	0									
3	2		Wyn	W						
4	2									
5	2									This day comes in clear
6	2									and calm
7	4									
8	4		Wyn	W						2 PM got a light air
9	4									from the North
10	3									
11	3									Night part very moderate
12	3									"
1	3									
2	2									
3	2									
4	0									Pumps attended to
5	0									
6	0									
7	0									
8	0									Day ends Calm
9	0									
10	0									117 Days out
11	0									
12	0									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wyn	86	29	20	24-33	24-31	9° E	83	132-11	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	1		Wyn	W					30.15	Sun 30 day of Sept 188
2	1									
3	2									
4	3									This day comes in
5	3									clear and calm
6	3									
7	3									
8	4									
9	3		Wyn	W						2 PM light air from
10	3									the NW
11	3									
12	3									
1	3									
2	3									3 AM wind shifted to
3	1									the NE fresh ship.
4	3		Wyn	W						Pumps attended to
5	3									
6	3									
7	3									
8	3									Day ends clear and
9	3									moderate
10	3									
11	3									118 Days out
12	3								30.18	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
Wyn	45	38	31	25-14	25-07	10° E	34	131-43	131-55

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 N	ve					30.19	Mon 1 day of Oct 1889
2	8									
3	8									
4	8									
5	8									This day comes in clear and moderate
6	8									
7	8									
8	8									
9	8									Call Scit set
10	8									
11	8									
12	8									
1	8		W 1/2 N	ve						Mistake and latter part cloudy with occasional light Rain Squalls
2	8									
3	8									
4	8									
5	8									Pumps attended to
6	8									
7	8									
8	8									
9	8									Day ends clear with fresh Gale and a heavy sea from the
10	8		W 1/2 N	ve						
11	8									
12	8								30.14	Northward 113 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	187	105	30	26-53	26-53	10° E	22	133-06	133-11

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 N	ve					30.24	Tues 2 day of Oct 1889
2	8									
3	8									
4	8									This day comes in clear with fresh Gale
5	8									
6	8									
7	8									
8	8									Call Scit set
9	8									
10	8									
11	8									Mistake and latter part the same as the first with the exception of passing Squalls
12	8									
1	8		W 1/2 N							
2	8									
3	8									
4	8									
5	8									Pumps attended to
6	8									
7	8									
8	8								30.36	Day ends up alone
9	8									
10	8									
11	8									
12	8									

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	189	120	109	27-48	27-48	10° E	118	133-04	133-06

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W	ve					30.80	Tues 3 day of Oct 1889
2	8									
3	8									
4	8									
5	8									This day comes in with fresh Gale and clear weather also a heavy sea running from the
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									
12	8									
1	8									Mistake and latter part the same as the first light Scit first
2	8									
3	8									
4	8		W 1/2 N	ve						
5	8									Pumps attended to
6	8									
7	8									
8	8									
9	8		W 1/2 N	ve						Day ends clear and moderate
10	8									
11	8									
12	8								30.35	121 Days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W	183	150	150	28-17	28-15	11° E	129	138-04	138-32

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W 1/2 N	ve					30.35	Thurs 4 day of Oct 1889
2	8									
3	8									
4	8									This day comes in clear with fresh Gale
5	8									
6	8									
7	8									4 1/2 PM Sparks Ship Celester Coast of London from New York N & W for San Francisco short of Provision let them have three Bels flows
8	8									
9	8									
10	8									
11	8									
12	8									
1	8		W 1/2 N	ve						
2	8									
3	8									Mistake and latter part cloudy
4	8									
5	8									Pumps attended to
6	8									
7	8									
8	8									Day ends Squally and moderate
9	8									
10	8									
11	8									
12	8								30.38	122 days out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W 1/2 N	188	96	118	33-33	33-32	11° E	139	140-16	140-11

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		W/N	NE						Friday 5 day of Oct 188
2	6									
3	8									
4	8									This day comes in with fresh gales and squally weather
5	8									
6	8									
7	8									Light boats fired
8	8									
9	8									
10	8		W/N	NE						
11	8									
12	8									Mist and latter part clear
1	8									
2	8									
3	8									
4	8									Pumps attended to
5	8									
6	8									Day ends clear with fresh gales still blowing
7	8		W/N	NE						All sail set
8	8									
9	8									
10	8									
11	8									133 Days out
12	8									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/N	180	154	98	36-02	36-03	110 E	114	142	141-59

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W/N	NE					30.50	Sat 6 day of Oct 1889
2	8									
3	8									
4	8									This day comes in with fresh gales and clear weather
5	8									
6	8									
7	8									
8	8		W/N	NE						All sail set
9	8									
10	8									
11	8									
12	8									Mist and latter part partly cloudy and moderate
1	8									
2	8									
3	8									
4	8		W/N	NE						Pumps attended to
5	8									
6	8									
7	8									
8	8									Day ends as above
9	8									
10	8		W/N	NE						
11	8									
12	8								30.55	124 Days out

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/N	135	127	215	38-14	38-14	110 E	58	122-58	122-58

Journal from New York

towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W/N	NE					30.55	Sunday 7 Oct 1889
2	8									
3	8									
4	8									This day comes in with moderate gales and clear weather
5	8									
6	8									
7	8		SE	NE						All sail set
8	8									
9	8									
10	8									6 PM Barked Ship to the Distress
11	8									
12	8									Mist and latter part the same as the first
1	8									
2	8									
3	8									
4	8									8 AM Barked to the further
5	8									
6	8									Day ends clear and moderate
7	8		W/N	NE						
8	8									
9	8									
10	8									
11	8									145 Days out
12	8								30.55	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/N	80	12	9	38-31	38-31	140 E	10	148-04	149-09

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		W/N	NE					30.55	Monday 8 Oct 1889
2	8									
3	8									
4	8									This day comes in with moderate gales and clear weather
5	8									
6	8									
7	8									
8	8									All sail set
9	8									
10	8									
11	8									
12	8									Mist and latter part the same
1	8									
2	8									
3	8									
4	8									Pumps attended to
5	8									
6	8									
7	8									
8	8									Day ends as above
9	8									
10	8									
11	8									126 Days out
12	8									

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
W/N	80	65	9	38-36	38-36	140 E	11	148-59	0

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Thurs 2 day of Oct	1884
				Direction.	Force.		Air.	Water.				
1	0								30.55			
2	0											
3	0											
4	0											
5	0											
6	0											
7	3		North		ere							
8	3											
9	3											
10	3											
11	4		1e/2									
12	4											
1	4											
2	4											
3	4											
4	3											
5	3											
6	3											
7	3											
8	4											
9	4											
10	4											
11	4											
12	3		"						30.57	123 days out		

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
1e	60	32	42	40 118	210 18	15° E	621	148 03 0	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Wed 10 day of Oct	188
				Direction.	Force.		Air.	Water.				
1	3		1e/2		dy 8				30.57			
2	3											
3	3											
4	3											
5	3											
6	3											
7	2											
8	2		1e		East							
9	2											
10	2											
11	2											
12	2											
1	2											
2	2											
3	0											
4	0											
5	0											
6	0											
7	2											
8	2											
9	2											
10	3		Se		e 1e							
11	3											
12	3								30.57	124 days out		

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
1e	41	26	31	40 44 0	150 E	412	141 23 0		

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Thurs 11 day of Oct	1883
				Direction.	Force.		Air.	Water.				
1	3		dy 8		1e/2				30.55			
2	3											
3	4											
4	4											
5	4											
6	4											
7	4		dy 8		1e							
8	4											
9	4											
10	4											
11	4											
12	5											
1	5		dy 8		1e/2							
2	6											
3	6											
4	6											
5	6											
6	6											
7	5											
8	5											
9	5											
10	5											
11	5											
12	5		"						30.43	125 days out		

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
dy 8	118	62	80	39.33	38-32	16° E	118	132 05	

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	Friday 12 day of Oct	1883
				Direction.	Force.		Air.	Water.				
1	6		dy 8 1/2		1e/2				30.40			
2	6											
3	6											
4	6											
5	7											
6	7											
7	7											
8	7		East		1e							
9	8											
10	8											
11	8											
12	8											
1	8											
2	8											
3	8											
4	8											
5	8		dy 8		1e 1/2							
6	8											
7	8											
8	8											
9	8								30.38			
10	8											
11	8											
12	8											

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
dy 8	158	104	150	39-53	39-52	16° E	199	136-14 0	

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	8		East	NE					30.32	Oct 10 day of Oct 188
2	8									
3	8									
4	8									
5	8									
6	8		SE 1/2 S	NE						This day comes in with fresh & cloudy weather small fresh holes
7	8									
8	8									
9	8									
10	8									6 P.M. fired Reels and Mon. Pop. Holland Steel
11	8									
12	8									
1	8									Visible and latter part the same as the first
2	8									
3	8									
4	8		SE 1/2 S	NE					30.30	Pumps attended A
5	8									Log ends as above
6	8									
7	8									
8	8									
9	8									
10	8									
11	8									131 logs out
12	8		"	"					30.16	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/2 S	200	24	126	36-19	36-16 1/2	130 E	818	182-36	182-18

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	10		SE 1/2 S	NE					30.16	Sun 14 day of Oct 188
2	10									
3	10									
4	10									This day comes in with fresh holes and partly cloudy weather
5	10									
6	10									
7	10									
8	10									
9	10									
10	9									Visible and latter part the same as the first
11	9									
12	9									
1	9		East							Pumps attended A
2	9									
3	9									
4	9									
5	9									
6	9									Log ends moderate
7	9									
8	9		SE 1/2 S	NE						
9	9									
10	9									132 logs out
11	9									
12	9		"	"					30.10	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/2 S	225	25	111	33-04	33-06	130 E	818	182-18	182-18

Journal from New York towards San Francisco

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1	6		SE 1/2 S	NE					30.10	Mon 15 day of Oct 188
2	5		SE 1/2 S	NE						
3	6									
4	6									
5	6									This day comes in with fresh holes and clear weather
6	7									
7	7									
8	7									1 P.M. fired Reels and the Westward
9	6									
10	6									
11	6									
12	6									Visible and latter part the same as the first
1	6									
2	6									
3	5									
4	5		SE 1/2 S	NE						8 A.M. fired Reels and the Westward
5	5									Pumps attended A
6	5									
7	6									
8	6		SE 1/2 S	NE						Log ends with fresh holes and clear weather
9	6									
10	8									
11	8									
12	8								30.13	133 logs out

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/2 S	86	3-2	68	36-03	35-52	140 E	22	182-36	182-58

H	K	F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS
				Direction.	Force.		Air.	Water.		
1										Tuesday 16 day of Oct 188
2										
3										
4										This day comes in with fresh holes and clear weather
5										
6										Light Sails fired
7										
8										
9										
10										Visible and latter part the same
11										
12										
1										Pumps attended A
2										
3										
4										
5										Log ends as above
6										
7										
8										
9										
10										134 logs out
11										
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
SE 1/2 S	213			33-05					134

Journal from New York towards San Francisco

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
		Direction.	Force.		Air.	Water.				
1										
2										
3										
4								This day comes in		
5								with fresh breeze		
6								and clear weather		
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

This day comes in
with fresh breeze
and clear weather

All sail set

8 PM Made Port of San Francisco
bearing E 1/4 S 10
miles 12 m. light 12 m. from
S. of San Francisco and here
we kept off for the
Ber
12 m. passed in 1/2 m.
The ship and at 12 PM
dropped anchor in 6 fathoms
water near San Francisco
Bay unbent sails and
so ended the voyage
from New York

Journal from towards

H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
		Direction.	Force.		Air.	Water.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
		Direction.	Force.		Air.	Water.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Leaving in Port of San Francisco This Oct 18th

All this day has been clear
with fresh westerly winds
all hands employed in
getting cleared up and ready
to start

Friday 19th

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.
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Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.
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H K F	COURSES.	WINDS.		LEEWAY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
		Direction.	Force.		Air.	Water.				
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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H K F	COURSES.	WINDS.		LEEWAY.	CY.	THERMOMETER.		BAROMETER	REMARKS	day of	188
		Direction.	Force.			Air.	Water.				
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											

Lying in Port of Sen

Pinck

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. by D. R.	Lon. by Ob.
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G80.101

may 44

